je Kiming Journal,

RAILWAY

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1358.—Vol. XXXI.

LONDON, SATURDAY, AUGUST 31, 1861.

STAMPED.....SIXPENCE. UNSTAMPED..FIVEPENCE.

MR. JAMES CROFTS, SHAREBROKER,
The extraordinary depression in Rauway Phoperery, contrasted with the condition of the Mining Istrarest, appears to call for remarks at the present moment of a more special character than at any previous period. The railway world were last week astounded at the fact that the Line which stands, for traffic and capital, at the head of all other confirms in this country or any other—viz., the London and Northe-Westerne—were only able (upon their own showing) to declare a dividend at the rate of 3½ per cent, per annual; and if the opinions of a highly intelligent party (Mr. Dickenson, the eminent paper manulacturer), as published in the Times, are to be taken as genuine, this leviathan concern, whose line is, almost from end to end, gorged with traffic, has worse dividends to come. The Great Westerne and the Easterne Countries are, however, in a far worse condition, the latter being in an unmistakable crists, with accounts which the accountants of the company refuse, apparently, to verify as correct, plus an intimation that there is no surplus profit in reality available for any dividend, at all; and such being the case with the three most important lines in the kingdom, it may be feared that there are others in no better plight. Capitalists, it must be expected, will at once be on the qui to Minists offering perfect security and liability from risk, if shares be properly chosen through an agent who understands his business and the interests of his clients, the time being just at the point when the market is emerging from a long period of depression, and the setting in of decided symptoms of extensive and excellent business, which no untoward causes can now hinder. A wave once in motion cannot be stopped, even to please the vanity of a king. The evils, monetary, warlike, depression in value of ments, and a variety of other causes which have of late beset the mining market, have enly proved its capability to pass through a most severe ordeal, without affecting its vitality; and when 10

MR. JAMES LANE, No. 44, THREADNEEDLE STREET,

JAMES LANE has FOR SALE, at nett prices:—20 Aired Consols, £i; 5 Billins,
£17: 50 Carn Camborne, 27s. 6d.; 25 Crebor, 10s.; 60 Devon Union; 3 Ding Dong;
50 Dale, 15s.; 10 East Caradon, £25%; 10 East Russell, £3%; 20 Great Wheal Martha,
58s.; 50 Great Retallack, 20s. 6d.; 10 Gonamena, £2%; 21 Herodafoot, £35; 20 Lady
Bertha, 15s. 6d.; 5 Ladoott, £3½; 5 Mary Ann, £0; 20 Marke Valley, £10½; 20
North Hallenbeagie, 21s.; 20 North Downs, £4½; 50 North Nanty-Mayn, 5s.; 5
Panty-buarth, £6; 20 Penhale Moor, £1½; 75 Port Philip, 20s. 6d.; 50 Rosewarne
Consols; 60 South Condurrow; 5 Trelawny, £13½; 5 Wheal Hearle, £9½; 3 West
Caradon, £38; 20 Wheal Moyle; 10 Wheal Anne, 25s.; 50 Ribden, 5s. 6d.; 50 Sortridge,
11s.; and 30 Trumpet United.

THE ADVANCE in the PRICE of COPPER, coupled with a further rise this week of 4½ per cent., and in TIN £3 per ton, has had a further beneficial effect on the Mining Market, and caused a further considerable enquiry for shares, not only amongst those that had been depressed, but for others that had remained firm of late. An advance has, consequently, further ensued in the price of shares, the sacreity of stock precluding the completion of numerous orders with limits, whilst the rise is accelerated by many speculative individuals (who had bons fide sold with the expectation of repurchasing at less) being amongst those who are offering higher prices to repossess their stock. Intending purchasers are advised to buy for cash, and to insist upon an immediate completion of the transactions, for it has been painfully obvious to holders of mining property of late that the recent depression has been very materially influenced and aided by permitting business to be done with, and by, the advocates of the account business, and thus enable the bearing dealers to succeed with impunity. Jadging by the indications of the few past days, the buoyancy of the market is likely to assess their section of the trade of the trade of the trade of mining property of late that the recent depression has been dered of mining property of late that the recent depression has been desired on a diede by permitting business to be done with, and by, the advocates of account business, and thus enable the bearing dealers to succeed with impunity diging by the indications of the few past days, the buoyancy of the market is likely to considerably maintained, and those immediately purchasing will doubtless deriv gibe profits for the outlay. Shares in the following procured either on commission on ent prices (if practicable), at the option of the purchaser; but applicants, to avoid its likely to arise from the delay in correspondence on a rising market, are advised to a positive instructions with limits at first:—Botallack, Basset, South Frances, We sandon, West Soton, Wheal Soton, East Basset, East Caradon, St. Ives, Wheal Margary, Wheal Tralewny, Wheal Mary Ann, North Roskear, or at ther mine known in the London market.

Sales effected on the above terms for cash.

Bankers: London and Westminster Bank, Lothbury.

Janes B. Binkerlinker, Sharedealer, 78, Old Broad-street,

London, E.C., Aug. 3c, 1861.

PETER WATSON, ENGLISH AND FOREIGN STOCK, SHARE, AND MINING OFFICES.
79, OLD BROAD STREET, LONDON, E.C. 4 Telegraphic messages to Buy or Sell Mine Shares panetually attended to.

R. W. LELEAN, MINE SHAREBROKER, 11, ROYAL EXCHANGE, LONDON, E.C. 7

MR. THOMAS SPARGO, SHARE BROKER, 224 and 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C., Commission, 2½ per cent.

RICHARD CLIFT, MINE SHAREDEALER late of Redruth, now 48, THREADNEEDLE-STREET, LONDON, where all

MR. T. ROSEWARNE, 75, OLD BROAD STREET, LONDON, E.C., has FOR SALE:—
Drake Walls, 16s.
East Russell, 2314.
East Caradon, £154.
East Caradon, £154.
East Devon Con., 41s. 3d.
Okel Tor, 25s.
Okel Tor, 25s.
Okel Tor, 25s.
Okel Norris, 38s.

East Grenville, 40s.
East Devon Con., 41s. 3d.
n OFFER WANTED for—
Calstock Consols.

West Polmear.

West Polmear.

Wood.

Wheal Wrey.

SWAANIE, from his practical experience in mining, and also from his knowledge timing market, is in a position to recommend six mines which are safe for a great from the commend of the mining was the mining was the commend of the mining was t

six months. in daily communication with the first agents in Devon and Cornwall Bankers: Bank of London.

E. GOMPERS, MINING OFFICES, CROWN CHAMBERS, THREADNEEDLE STREET, LONDON, E.C. SS TRANSACTED IN BRITISH and FOREIGN STOCKS and SHARES, Terms, 1½ per cent.—Bankers: London and Westminster Bank.

Aerms, 144 per cent.—ISBNEST: LORIGON AND WESEINISHET DAMA.

R. GEORGE BUILDINGS, SHAREBROKER, No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 14 years), has FOR SALE the following shares:—50 North Miners, 29s.; 30 Daie, 14s.; 30 Crelake, £3 4s.; 30 Great Treveddoe, 14s.; 3 Old Tolgus United, £123/; 100 East Wheal Martha (fully paid); 30 Lady Bertha, 17s.; 30 North Downs; 1 Wneal Baset; 100 North Nanty-Mayn, 4s. 6d.; 5 West Bryn Gwiog; 50 East Greenville, 49s.; 10 Marke Valley, £10½; 30 Tolcame, £3%; 45 Unity; 100 East Rosewarne, 26s. 6d.; 15 East Caradon; 25 Merilyn, 19s.; 20 Trevilsck, £23/; 1 South Caradon; 50 Drake Walls, 15s. 3d.; 3 Stray Park; 5 Brynford Hall; 15 Wheal Anne, £1½; 50 Crebor, 1s. 6d.; 50 Bon Accord, 29s.; 2 Long Rake, £17; 35 Wheal Grenville; 5 Wheal Hearle; 10 Therm. 10 Theroft, £5 6z. 9d.; 50 West Polmear, £1; 10 Fast Caradon; 25 Okel Tor, 29z.;
5 Ding Dong; 5 Great Wheal Fortune, 1134; 2 East Basset; 3 South Bryn Gwlog;
2 West Seton; 1 Clifford; 20 Deep Level, 12z. 6d.
Mining shares difficult of sale, the holders may find purchasers through Mr. Budow
Dally lists of prices forwarded on application.

PIFTEEN to TWENTY, and even TWENTY-FIVE PER CENT. PER ANNUM upon current value of shares, in CORNISH TDN and COPPER MINES.

Dividends payable two-monthly or quarterly.

MESSRS. TREDINNICK AND CO., MINING ENGINEERS, SEND their SELECTED LIST OF SOUND PROGRESSIVE AND DIVIBRIO COURSE BY AND DIVIBRIO COURSE AND DEVOLUTION ENGINEERS, Review of Coursia and Devon Mining Enterprise, 5s. per copy.

Mapper post of the Buller and Basset, Great Vor, Alfred Consols, the Providence and Margaret Districtica 2s. 6d. sech.

Review of Cornish and Devon Mining Enterprise, 6s. per copy.

Maps per post of the Buller and Basset, Great Vor, Alfred Consols, the Providence and

Sargaret Districts, 2s. 6d. each.

Cornish Mines, well selected, pay better than any other description of securities, are

near from risks, and entail less responsibilities than banks and other joint-stock com
sanies. Shares bought and sold on commission of 2½ per cent.

Money detwanced at 10 per cent. annually, for short or long periods, upon approved

Mining Shares.—78, Lombard-street, London, E.C.

BRITISH AND FOREIGN STOCK, RAILWAY, AND MINING SHARES ROUGHT AND SOLD. A considerable amount of money is locked BRITISH AND FOREIGN STOCK, RAILWAY, AND MINING SHARES BOUGHT AND SOLD. A considerable amount of money is locked up in mining shares not prominently before the public, and consequently difficult of sale. See the property of the purchase Fuller And CO., 26, CHANGE ALLEY, CORNHILL, LONDON, invite the idders of such stock to communicate with them, having channels for the purchase and sale of shares of every description, independent of the mining market. FOR SPECIAL SALE:—Messrs. FULER and Co. have £6500 worth of shares on the purchase shares, upon which from 12½ to 15 per cent. Also, £2750 worth of promises shares, upon which from 200 to 300 per cent. profit may be realized in a few messiha, and perfectly free from risk. Full particulars may be had.

Telegraphic messages promptly attended to.

Bankers: Baak of England.

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E O R G E M O O R E,
In any business that George Moore is favoured with, in which he is the buyer, he
will give CASH ON RECEIPT OF TRANSFER.

JAMES HERRON has FOR SALE the following SHARES, at | Tames | Herron | He 1 South Caradon, £305.

1 South Caradon, £305.

1 St. Ives Cons., £334.

50 Sortridge Cons., £334.

1 South Bryn Gwieg,
£12 18s. 9d.

20 South Carn Brea, £3;

1 South Basset, £12.

1 South Wheal Frances,
£1274.

20 Camborne Vean, 48. 9d.
30 Camborne, 48. 9d.
30 Carn Camborne.
10 Carndon Cons., 2774.
2 Cargoll, £1476.
50 Crookhaven.
5 Calvadnack, £774.
1 Cook's Kit., £2676.
30 Cuddra, 40s. (including call).
15 Clijah and Wentworth.
30 Central Minera (an offer wanted).

1 South Basset, £12.

1 South Wheel Frances, £1274.

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3 Wheal Damsel.
1 West Caradon, £37
90 Worvas Downs, 5s.

And is a BUYER of 50 Great Martha, 200 Rosewall Hill and Ransom United, 150 West bouth Caradon, 100 North Minera, and 5 Carn Brea. 2, Adam's-court, Old Broad-street, August 30, 1861.

MESSRS. VIVIAN AND REYNOLDS, 68, OLD BROAD STREET, LONDON, E.C., MINING ENGINERS, INSPECTORS of MINES, COMMISSION, and GENERAL AGENTS for the PURCHASE OF SALE OF MINE SHARES, RAILWAY, and EVERY OTHER DESCRIPTION OF STOCK.

Commission on share transactions, 1½ per cent. on £100 and above, and 2½ per cent. for less sums.

MR. C. POWELL, MINE SHAREBROKER,

MR. E D WARD COOKE, 5, HERCULES PASSAGE, TITREADNEEDLE STREET, LONDON, E.C., will seel much pleasure in advising those who may favour him with their confidence on the merits of the various mines usually dealt in, and also on any new concerns that are from time to time brought before the notice of the public. Much loss and disappointment may be prevented by a proper amount of caution on the part of the investor. From frequent personal visits into the mining districts, together with many years' experience of the mining market, EDWAND COOKE hopes to be enabled to render sound advice to parties availing themselves of his services, and prompt cash in all transactions entrusted to his charge. PURCHASES and SALES in RAILWAY and all OTHER SHARES effected at the usual commission.

BUYER of Tincroft, at £51/2.

Aug. 30, 1861. Bankers: London and Westminster, Lothbury.

OHN RISLEY, SHAREBROKER 32, LOMBARD STREET, LONDON, E.C.

R. JAMES HUME, SHAREBROKER, 74, OLD BROAD STREET, LONDON, E.C.

HUME'S "Mining Share Monitor" is issued the first week in each month, and supthe most correct data respecting rising, progressive, and dividend mines. Subscription, 5s. per annum; or 6d. per copy.

MESSRS. R. HORLEY AND CO., SWORN STOCK, SHARE, and ings), continue to TRANSACT EVERY DESCRIPTION OF MINING BUSINESS and are in a position to obtain reliable information respecting all dividend and progressive mines.

No.—Messrs. HorLey and Co. publish a Weekly Mining List, with the closi Wednesday, and will be most happy to forward the same (gratis) on app

MR. J. S. PHILLIPS, C.E. AND M.E., SHAREBROKER, &c.
12, ST. MICHAEL'S ALLEY, CORNHILL, LONDON, is now on a tour through

GEORGE RICE, SHAREBROKER, 1, FINCH LANE, CORNHILL, can BUY or SELL for cash or account, close prices:—Caradon Consols.

Great Retailack.

Stray Park.

Stray Park. Caradon Consols. Deep Level. East Russell. East Grenville. East Caradon. Grambler and St. ler and St. Aubyn.

MR. R. H. M. JACKMAN, MINING AND SHAREBROKER, ADAM'S COURT, OLD BROAD STREET, E.C.

40 Michell, 7s. 6d. 10 East Caradon, £28½. 10 Harriett, 30s. 30 Lower Park, 20s. 2 Stray Park, £28. 1 Bryn Gwiog, £4345.

30 East Grenville, £2:

20 Wheal Norris, 39s.

10 East
23 West Toigus, £16.

20 Meriyn, 16s.

20 Moliand, 1s. 6d.

2 Stra;

Aug. 30, 1861.

Bankers: London and Westminster, Lothbury. SHARES

A N T E D

25 Long Rake.
500 Great Caradon.
100 Great Retailack.
10 Rosewarne United.
3 Margaret.
250 North Minera.
50 Marke Valley.
2 South Caradon.
4 South Frances. 2 Wheal Seton.
4 Providence.
50 Charlotte United.
50 Wheal Grenville.
600 Carn Camborne.
4 New Seton 50 Wheal Unity.
200 Merilyn.
5 Stray Park.
100 Rosewall Hill.
20 Wheal Hearle.
30 East Caradon.
4 South Frances.
10 Cook's Kitchen.

3 East Basset. 7 West Caradon. 2 South Carado 1 West Seton. SELLERS of the above, or any part, will please send lowest price and me HENRY GOULD SHARP, 32, POULTRY, LONDON, E.C.

M. B. GEORGE BATTERS, 5, COWPER'S COURT, BIRCHIN
LANE, DEALER in BRITISH MINING SHARES and OTHER SECURITIES.
Mr. BATTERS, from long experience and intimate acquaintance with all Mining Stocks, can advise as to investment of capital, at closes the market prices, and has made a selection of Dividend paying and sound Progressive Stocks into which he can with confidence recommend investments at present depressed prices. The favourable turn in the market for metals, and the reduction in the Bank's rate of interest, would point to prices having seen their lowest for the present.
Mr. BATTERS is a BUYER of West Bryn Gwiog, Bryn Gwiog, North Minera, Billine, Brynford, Herward, South Carn Brea, Carn Brea,

5

MR. T. P. THOMAS, MINING AGENT AND AUCTIONEER, 2, CROWN COURT, THREADNEEDLE STREET, LONDON.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER, 16, HACKINS HEY, LIVERPOOL.

FREDERICK WILLIAM MANSELL, MINING OFFICES, 1, HATTON COURT, THREADNEEDLE STREET, LONDON, E.C. Bankers: London Joint-Stock Bank.

WILLIAM SEWARD, MINING BROKER, STOCK AND SHAREDEALER, 26, THROGMORTON STREET, LONDON, E.C. Commission, 1½ per cent. on £100 and above, and 2½ per cent. on less sums.

MR JOSEPH GREGORY, MINING OFFICES, 1, BANK CHAMBERS, LOTHBURY, E.C. BUSINESS TRANSACTED in BRITISH and FOREIGN STOCKS and SHARES. Terms, 1½ per cent. on £100 and above, 2½ per cent. on smaller sums. Bankers: City Bank, Threadneedle-street.

MR. H. G. YEULETT, ST. MICHAEL'S CHAMBER'S, CORNHILL, continues to TRANSACT BUSINESS in MINING, RAILWAY, INSURANCE, BANK, BRITISH and FOREIGN STOCKS and SHARES of EVERY DESCRIPTION, exclusively on commission. TO BE SOLD, a VALUABLE SETT of HEMATITE IRON ORE; also a SLATE QUARRY of undoubted quantity and quality.

MR. JAMES HAMMON, STOCK AND SHAREDEALER, 1, CROWN COURT, THREADNEEDLE STREET, LONDON.

JOHN GLEDHILL HN GLEDHILL AND CO., MINE AGENTS AND SHAREBROKERS, MINING OFFICES, CORN EXCHANGE, LEEDS.

STOCK AND CO., LEAD AND SILVER SMELTERS, PENCLAWDD, NEAR SWANSEA.

MESSRS. THOMAS PENROSE and THOMAS PRICE UNDERTAKE ASSAYS and ANALYSES OF EVERY DESCRIPTION OF MINERAL PRODUCT, FUEL, and MANURES, at Messrs. Richardson and Co.'s Assay Office and Laboratory, Copper Ore Wharves, Swansea.

MR. J. SYKES, LEEK, STAFFORDSHIRE, is in a position to advise speculators as to the purchase of shares which will increase in value 100 per cent, in twelve monchs. The opportunity should not be lost. He will guarantee 25 per cent. of the loss, if he be allowed 25 per cent. of the profits.

FOR SALE:—10 Great Retailack, 20s. WANTED:—50 Dale, state lowest price.

MESSRS. C. TOOKEY, F.C.S., AND M. W. JOHNSON, F.C.S., ASSAYERS, ANALYSTS, AND CONSULTING CHEMISTS. LABORATORIES, 44, LINCOLN'S INN FIELDS, W.C.

RUSSIAN CHARCOAL PIG IRON FOR SALE.

ON SALE, an EXCELLENT SLATE QUARRY, on reasonable terms.—For further particulars, apply to "D. R.," state rock inspector, Lianllyfni,

SLATE QUARRIES TO BE SOLD, OR LEASED, on fair terms, situate 14 miles from the city of Waterford, Ireland. Samples of the slate can be at Messrs. Grantoff and Co.'s, 4, Lime-street-square, City, where owner can be

WANTED, A SITUATION AS MINE AGENT OF GENERAL INSPECTOR, IN ANY of the MINES, the Land of the MINES, the MI INSPECTOR, in ANY of the MINES either in SOUTH or NORTH WALES, ere he has been engaged for the last 19 years, and is thoroughly conversant with all oranches. Testimonial of capability and respectability can be shown on application A.Z.," Mining Journal, office, 26, Fleet-street, London.—August 23, 1861.

TO CAPITALISTS IN CONNECTION WITH THE

TO CAPITALISTS IN CONNECTION WITH THE COAL AND IRON TRADES.—WANTED, by an IRON an COALMASTER, ap PARTNER or PARTNERS, who can furnish about £10,000 by instainments, and keep £5000 to be further brought in, if required, within a period of two or three years, making together £15,000, for a MOIETY of a PIG IRONWORK and EXTENSIVE COAL WORKS in WALES, which are capable of an immediate return, and with a little further outlay (part of the capital now required) will make a profit exceeding £20,000 per annum fixed, certain, and free from risks. The property is a most eligible one, on the South Wales Railway, near the best Welsh ports, within an 8s, rate of London, and where forge pig and foundry pig of the best quality, as well as tin-plate pig-fron, can be made at an average cost of 35s, per ton, and coal put in the railway wagons on the rail at 3s, per ton, with most extensive markets open. The property is extensive, and contains abundance of the best coal, house, steam, fron making, and coking, as well as black band, claystone, and hematite ore, of which there is a fine field, known as the Liantrissant Mine. The railway passes through the property.—Apply to "E. D.," Mising Journal office, 26, Ficet-street, London, E.C.

TO COLLIERY PROPRIETORS.—IMPROVED SELF ACTING TIPPLERS and SCREENS, for LOADING COALS at the PITS with dispatch, and ENTIRELY PREVENTING BREAKAGE. Manufactured by WILLIAMS and MONLE, Egerton-street Foundry, Chester, where models and testimonials may be seen, and every information obtained. Prices moderate. Delivered at any rall way station.

LARGE FORTUNE may be REALISED for ONE POUND only.—For particulars, apply to Mr. FREDERICK SINTZ, banker, of Frankfort-on-Maine, or letters addressed to him, 28, Clement's-lane, Lombard-street, London. GOLDENHILL, COBALT, NICKEL, COLOUR, BORAX, AND

CHEMICAL WORKS,

NEAR STOKE-UPON-TRENT, STAFFORDSHIRE.

JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER.

Reference.—Professor Miller, King's College, London.

NICKEL AND COBALT REFINING, AND GERMAN SILVER
WORKS, 16, OOZELL STREET NORTH DIDNIED. WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.
STEPHEN BARKER begs to inform the Trade that he has the following articles or sale:—
refined metallic nickel. | Oxide of cobalt. | (Wire, &c
REFINED metallic bismuth. | German silver—in ingots, sheet
nickel and cobalt ores purchased.

DEVON NEW COPPER MINING COMPANY (LIMITED).

HIBEBNIAN MINE COMPANY.—Notice is hereby given, that the DIVIDEND for the six months ending 30th of June, 1861, of FIFTEEN SHILLINGS PER SHARE, free of income tax, will be PAID to the proprietors, at the office, No. 5, Dame-street, Dublin, on and after MONDAY NEXT, 2d September, 1861.

SILVER VEIN MINES—TO BUYERS OF SILVER ORES.
PARTIES DESIROUS of PURCHASING About TWENTY PARTIES DESIROUS of PURCHASING about TWENTY TONS of the afenny take samples from bulk, or samples thereof will be immediately forwarded ligitation to the company's works, Lostwithlel, Cornwall.

F. SQUI August 30, 1861.

WILDBERG GREAT CONSOLIDATED MINING COMPANY.—A MEETING of bondholders will be HELD at No. 26, Gresham-street, E.C., on MONDAY, the 9th day of September next, at Twelve o'clock at noon precisely.

By order, PHILLIPS AND DARLINGTON. London, August 28, 1861.

MR. MURCHISON'S REVIEW OF BRITISH MINING FOR THE QUARTER ENDING 30TH MARCH, 1861, IS NOW READY. Price One Shilling. At 117, Bishopsgate-street Within, London, E.C.

C H A R L E S D A V E Y A N D C O.,

SAFETY FUSE MANUFACTURERS,
ST. HELEN'S JUNCTION, LANCASHIRE.

THE MIDLAND IRON COMPANY, ROTHERHAM,
MANUFACTURERS OF BEST "YORKSHIRE," and of STEEL IRON TYRE
BARS, for LOCOMOTIVE ENGINE, CARRIAGE, and WAGON WHEELS. Also
of REFINED, SCRAP, STEEL IRON and "YORKSHIRE" BARS, HOOFS, RAILS,
ANGLE IRON, MALLEABLE SHAFTS, AXLES and FORGINGS.

Original Correspondence.

PRACTICAL PAPERS ON COLLIERY OPERATIONS-No. XIL REMARKS UPON THE SUBSIDENCE OF THE SURFACE CONSEQUENT UPON THE WORKING OF COLLIERIES; ALSO UPON SURVEYING OF MINES.

SIR,—From the great rapidity with which buildings of all kinds have sprung up during the last few years in most mining localities, the first-named subject is one of growing importance, and from the decision recently arrived at by the Court of Exchequer, it must necessarily be of the greatest utility to know something of the principles that govern the subsidence of the surface, especially so where manufactures are carried on by the recent decision of the Court of Exchequer, in the case of Structure. the sad of machinery, and that, too, of the most delicate description. For by the recent decision of the Court of Exchequer in the case of Stroyan v. Knowles, it has been established that the capitalist who has been hold and enterprising enough to employ his capital in the working of coal mines shall be held amenable for any injury caused to any building, machinery, &c., on the lands of an adjoining proprietor, providing such buildings have been erected thereon, or enlarged, within 20 years, and that the said build-ings did not either contribute to or occasion such substiances: whether not either contribute to or occasion such subsidence; s had been skilfully worked or not, or whether the coal h wrought immediately adjoining the point where the subsidence had take place. This decision for the present determines the knotty point, so ofte disputed, whether the owner of the surface or adjoining land is entitled t have the support of an adjoining coal seam or coal seams for such a distance as the working of such mines will not interfere with property erected upon such land; or if the property should be so injured, no matter how scientifically the coal may have been wrought, or at what distance from the property injured by such subsidence, the coal owner must pay for our parts good such in:

the property injured by such subsidence, the coal owner must pay for or make good such injury.

It will be seen from what is hereafter adduced that this decision must affect the interest of both the lessee and lessor to a considerable extent where the mines belong to one party and the surface to another, or where there are numerous small freeholds, from the great quantity of coal that it is necessary to leave unwrought to support a single building. Is it not possible for the coal owners of this country to take up the subject, and obtain a repeal of such enactments that enabled the judges of the Court of Exchequer to arrive at such unfair decisions in point of equity? If nothing is done, shall we not have other cases of a like nature ere long? Or must the cumbrous and expensive method by which the case referred to was brought to an issue act as the only safeguard to proprietors of collieries against such mischievous, expensive, and annoying proceedings?

As to how much coal it is advisable to leave, and in what position and manner it is best to leave it, in order to secure buildings, &c., from harm, or preventing the subsidence of the land upon which they are erected, must depend upon a variety of circumstances. The reader, whether acquainted with mining operations or not, will at once perceive that to some extent it must depend upon the nature of the strata overlying the seams of coal, the depth that the seams are from the surface and the thickness of the coal worked. I entertain very different opinions to many upon the propriety of leaving coal for the sup-

seams are from the surface and the thickness of the coal worked. I entertain very different opinions to many upon the propriety of leaving coal for the support of cottages and detached houses, or other buildings; and I even go so far as to assert, and am prepared to prove it, that thousands of pounds worth of coal has been left to support buildings over and above what would have purchased them, or have rebuilt them provided they had been razed to the ground. In several cases that I am acquainted with far more mischief has been done to the buildings that were intended to be protected by leaving coal in an injudicious manner, than if the coal had been worked out without paying any recard to the buildings. In order to protected has been done to the buildings that were intended to be protected by leaving coal in an injudicious manner, than if the coal had been worked out without paying any regard to the buildings. In order to protect a single building, if it requires that any coal should be left for such purpose, it would be requisite to leave 60 yards of coal upon the line of level, and to get only half the coal for 40 yards upon the rise of the mine. Supposing that we are only working two seams, each 4 feet in thickness, at such depths from the surface as to affect the buildings, we have 3200 tons of coal left unwrought, say at 1s. per ton mine rent (160L); the profit ought to be equal to the rent, or the colliery is not worth having. Say, profit upon working 3200 tons at 1s. per ton, 160L: the proportionate share of sinking shafts and erecting machinery will exceed 3d. per ton; but say 3200 tons at 8d. (106L), so that we have a sum of 426L, under the most favourable circumstances, for the support of a single building. In some mines double the quantity of coal named would be insufficient to protect a building, and in no case should I consider the quantity named to be left unwrought in the least superfluous. The breakage line, or line to where the subsidence of the surface extends, is undoubtedly upon the deep of the coal that has been wrought, and, consequently, the proper place to leave coal for the support of buildings, &c., is upon the rise of the buildings, and not directly under them, as was long considered necessary. The best rules that I can give are that all coal mines lying at an angle of inclination less than 15° draw over upon the deep of where the coal has been wrought; and that mines lying at an angle of inclination should be an angle of inclination, or rise and dip, of the mine, measuring from the lowest point at which the coal has been wrought; and that mines lying at an angle of inclination. The breakage line which is formed by the coal being worked out to the boundary upon the rise and dip, of the mine, runs mently p whilst at the same depth, and the mines of nearly the same thickness the angle of inclination almost the same. I have known the breakage to be nearly vertical with the point to which the coal had been worked line to be nearly vertical with the point to which the coal had been worked, and in one instance to form an angle in the contrary direction. The rules here laid down may differ to some extent, in consequence of the thickness of the seams, and the different strata overlying the coal. It could hardly be expected that the same rule would apply to a mine 2 feet in thickness as to the Staffordshire 10-yards coal, nor that the breakage line would be so well defined, where much coal is left unwrought, from the system of getting the coal being bad, as where all the coal is worked out without waste. Some alight difference may also arise from the cleavage, or joints, of the strata being different, but for any practical purpose the rules previously given will be found correct enough, and applicable to nine mines out of every ten.

out of every ten.

Were I leaving coal for the purpose of protecting buildings, &c., I should to some extent be governed by the angle of the cleavage of the coal as to how it would be best to leave it; for instance, supposing the cleavage was within 20° of being parallel with the line of level, it would be advisable to leave the coal in pillars at right angles with the wagon-roads, the pillars to be 5 yards in width; or, in other words, to get 5 yards and leave 5 yards. If the bord or cleavage of the coal is within 20° or 30° of being at right angles with the wagon-road, then it would be preferable, in my opinion, to work out one-half the coal in the direction that the levels are driven, either whilst driving to the boundary or working back. The are driven, either whilst driving to the boundary or working back. The width I should prefer leaving the pillars upon this system of working would be 6 yards, and getting each alternate 6 yards. It very frequently happens that there is a sufficient quantity of dirt produced from the other parts of the workings to partially fill up the space that the coal has been wrought from; if so, it is very desirable that square packs should be built of it, so as to assist the pillars of coal left for supporting the roof of the mine. If the pillars are not left upon the before-mentioned principle, when the superincumbent strata press with full force by the adjacent coal being gotten, the pillars will in many places be split up, so as to be unable to resist the weight thrown upon them.

It may probably be known to most of those connected with coal mining that the whole of the area over which the coal has been wrought subsides.

It may probably be known to most of those connected with coal mining that the whole of the area over which the coal has been wronght subsides, and that it is clearly shown upon the surface, even in working a scam 2 ft. 6 in. in thickness at 200 yards from the surface; but if the subsidence takes place over a wide area at once, it does not affect the buildings erected thereon to any serious extent: it is the breakage line, or point where the land that subsides separates itself from that which remains in its position, that requires guarding against. If two seams of coal are worked within such a distance of each other as to affect the same buildings, it would be better to leave the pillars in the under seam at right angles with the wagon-road, and the pillars in the upper seam parallel with the wagon-roads. better to leave the pillars in the under seam at right angles with the wagon-road, and the pillars in the upper seam parallel with the wagon-roads. It sometimes happens that a rank, or width, of coal, may be worked out where the stratum overlying the coal is very strong, without any percep-tible subsidence of the surface taking place. When this is the case it surface taking place. When this is the case it the surface to extend over a wide area when the es the subsidence of the surface to

art rank is worked out, and to be more irregular in its course.

I will take the liberty of slightly digressing, for the purpose of offering few remarks upon the difference which exists in coal for keeping back

young so open, that I have seen water percolate through a rank of coa 80 yards in thickness, with a pressure of 10 lbs. to the inch, almost like running through a riddle; whilst in other cases a barrier of 30 yards have been trusted to, where the lives of from 300 to 400 men have dependent upon the security of such a barrier. I know of an instance at the present time, where the barrier of coal trusted to keep the water from going down the incline of the mine cannot exceed 30 yards (probably not 20), and upon the stability of this hangs the lives of several hundred human beings. Ostensibly the barrier is left for the purpose of preventing the water from going down a downbrow, but in reality, it is for the purpose of giving the proprietors of the adjoining colliery the water which in point of equity (if not legally so) they themselves are entitled to pump. Is it to be wondered at that proprietors of mines who so recklessly expose the lives of so many fellow-men, and place themselves in such hazardous positions, should be found to decry the necessity for governmental inspection of mines? The running such risks appears to me more like playing a game at hazard than managing collieries, setting aside the fearful consequences that may arise to the workmen, and viewing it only in a pecuniary light.

The latter part of the subject that I have chosen for the present paper—the Surveying of Mines—is one of the utmost importance in conducting mining operations, and were a single case required to fully set forth the desirability of having this part of the business performed in an efficient manner, or one that has produced a greater amount of suffering and misery by the negligence and culpability of a colliery manager, I should select the recent catastrophe at the Black Shale Pit, Clay Cross. If it be true, as asserted in the Mining Journal of the 17th inst., that the same manager was there when the old firm wrought the coal that has after a lapse of time produced such awful destruction to human life, and entailed such a serious loss upon the proprietors of the colliery in question, the Inspector of Mines who declared that the manager had conducted the operations as a the security of such a barrier. I know of an instance at the p , where the barrier of coal trusted to keep the water from going

sime produced such awful destruction to human life, and entailed such a serious loss upon the proprietors of the colliery in question, the Inspector of Mines who declared that the manager had conducted the operations as well as he himself could have done, and the trio of eminent mining engineers who have entirely acquitted him of blame, and laboured hard to attach the blame upon minor officials and deceased workmen, cannot remove from the breast of the individual who has caused such fearful loss of life the deep narges of removes the the acceptance of the triought appearance. from the breast of the individual who has caused such fearful loss of life the deep pangs of remorse that he must feel in his thoughful moments, nor prevent the circumstance from weighing upon his breast to the last moment of his consciousness. It is true it is a venial offence in the eyes of the law and of the public, and that no intent existed, but the fact still remains that 25 human beings have been sacrificed. Does not this decision confirm in a remarkable manner the remarks made by me in a pamphlet some time ago, of the way in which truth was distorted or suppressed for the purpose of shielding parties guilty of neglect of duty, or of owners exercising false economy.

for the purpose of shielding parties guilty of neglect of duty, or of owners exercising false economy.

In such a case as the one referred to it is of little moment how the survey is conducted, if tolerable accuracy be insured; in fact, it does not appear clear whether simply measuring the quantity of coal wrought, and plotting it with the scale, would not have been sufficient to have averted the catastrophe, without an actual survey. At all events, at the time the coal was wrought instruments were in use correct enough for conducting a survey with greater accuracy than the one in question appears to have been. Under ordinary circumstances the common dial is an instrument that may be relied upon in making an underground survey. There may be instruments better adapted to the work than the dial. The theodolite is certainly better adapted for taking angles; but a survey may be conducted with the ordinary dial, not only correctly but expeditiously. At least, I seldom meet with anyone who has to complain of that instrument not permitting him to do work enough to fatigue him. But I have frequently met with mineral surveyors who have been fatigued and jaded out in five or six hours, with only travelling the distance than can be surveyed with not permitting him to do work enough to fatigue him. But I have frequently met with mineral surveyors who have been fatigued and jaded out in five or six hours, with only travelling the distance than can be surveyed with the ordinary dial. With regard to its correctness, I can only say that at a distance of several hundred yards of driving upon a point fixed by the dial, after taking eight or ten drafts or sights to the point where the work was set out, my work has proved itself correct to the merest trifle on different occasions, and that this is nothing more than can be correctly stated by scores of others whose business it has been to conduct mineral surveys. I grant that it is sometimes perplexing, and that great care is required in taking the first sight from the shaft, where a few yards of a tunnel forms the entrance to the shaft, and the levels ran at right angles from the tunnel. Owing to the short distance that it is necessary to fix the dial from the shaft, the needle will sometimes be attracted very considerably by the pumps. This appears to me the only difficulty worth naming that presents itself in surveying with the circumferentor dial, assuming that the surveyor understands his business. Where there are no pumps in the shaft, the bearing from the centre of the shaft to the centre of the levels may be taken before laying the plates at the pit's bottom. With regard to any attraction from the cages in the shaft militating against the use of the magnetic needle, or leading to incorrect surveying, it is simply absurd to speak of it, for who with common sense would fix a dial in close proximity to a cage weighing 6 or 8 cwts., when it could be raised to the middle of the shaft and kept in its position without any inconvenience or loss of time. If the dialling is being done for the purpose of setting a work out to drive to some particular point, then it would not only be necessary to pull the rails up from the wagon-road, and remove them so far from the dial each time it is fixed as not to disturb the n operation than the ordinary method of surveying; but if accuracy quired it cannot be sacrificed for a more expeditious system that do quired it cannot be sacrificed for a more expeditious system that does not guarantee it. I have conducted surveys in many different ironstone and coal mines, but have not met with anything sufficiently magnetic to attract the needle of a dial in either, excepting the iron that has been conveyed into the workings in the shape of tram rails, &c. Where great accuracy is required it is better to conduct the survey with the same instrument as is used for taking the surface bearings. It is not necessary, except on rare occasions, to dial any but the bottom level, not even where the coal is paid for by measurement. The other workings are generally plotted from measurements, so that supposing two levels were driven out, one on each side the shaft, at the rate of 2 yards per day, under ordinary circumstances a 12 month's dialling for one pit could be performed in a day.

Jos. Goodwin.

SAFETY-LAMPS.

change from the common pit candles now used in my collieries, I am about, in consequence of the recommendation of the Government Inspector, to introduce safety-lamps, and I should be glad to learn, from some one experienced in their use, which is the best lamp for safety and economy. I have read all, I think, that has appeared in the Mining Journal during the last ten years upon the subject, but the advantages and disadvantages of the lamps appear to be so nearly balanced that I am at a loss which to select. In my opinion there seems to be no question that comparing the Davy and the Standard of the comparing the SIR,—Although advised by my viewer that there is no necessity for hange from the common pit candles now used in my collieries, I am about, select. In my opinion there seems to be no question that comp Davy and the Stephenson the latter is superior, inasmuch as it Davy and the Stephenson the latter is superior, masmacia as it gives an equal amount of light, or more according to some opinions, than the Davy, and has the additional advantage that it will not burn in an explosive atmosphere at all. But as to the merits of the Stephenson, as compared with glass-sided lamps, or some of the more recent inventions—Hall's paraffine safety-lamp, for example—the matter does not seem equally clear.

Great difference of existence appears to exist as to whether the glass.

with glass-sided lamps, or some of the more recent inventions—that s paraffine safety-lamp, for example—the matter does not seem equally clear. Great difference of opinion appears to exist as to whether the glass-sided lamp is perfectly safe, or, at least, as safe as the Stephenson, or whether it is not. For my own part, I am inclined to conclude that it equally safe, and for this reason—it seems to me that the only way in which either could be damaged is by a blow from a pick, and that such an accident would effectually damage either. I am aware that much has been written as to the effect of drops of water or splinters of coal on glass-sided lamps, but have not seen any very satisfactory conclusions against them arrived at. Considering that the glass round (say) the Mozard, for example, is \(\frac{1}{2} \) inch or \(\frac{1}{2} \) inch thick, and is never very warm—never warm enough, in fact, to give any pain or inconvenience from putting the finger upon it, I cannot think that a drop or two of cold water, even at freezing temperature, would cause a fracture. And as to the breaking with a splinter of coal, I do not think one is more liable to damage than another, for the vertical bars around the glass lamps would, I should think, prevent any splinter of coal large enough to fracture it passing through, or, to say the least, a splinter of similar size would be quite as liable to render a Stephenson useless as a glass-sided lamp.

nder a Stephenson useless as a glass-sided lamp.
As to Hall's lamp, I have never seen it, but having heard much about it, and the reputation of the inventor as a practical man, I presume that it is really a safety-lamp. Assuming this to be the case, I regard Mr. Hall's as the best lamp for colliery purposes that could be introduced, as, with a cheap and economic apparatus, something similar to that used in

of coal have the cleavage so well defined, and the I have seen water percolate through a rank of coal s, with a pressure of 10 lbs. to the inch, almost like didle; whilst in other cases a barrier of 30 yards has re the lives of from 300 to 400 men have depended such a barrier. I know of an instance at the present ier of coal trusted to keep the water from going down ince cannot exceed 30 yards (probably not 20), and this hance the lives of several hundred human heings.

STEAM ON COMMON ROADS.

SIR,—Observing in last week's Journal an article headed "Steam on ommon Roads," permit me, with your accustomed fairness, to make a w remarks on the same. The details of Boydell's engine are, I presume,

Common Roads," permit me, with your accustomed fairness, to make a few remarks on the same. The details of Boydell's engine are, I presume, so well known that it is needless to particularise them here; suffice it to say, that round the wheels are placed shoes or rails, which fit the road as the wheel rotates; this forms the chief part of the design, and which, in my opinion, is the most faulty. In the paragraph before mentioned it is stated that Boydell's traction-engine is the only one at present in existence that can travel over a morass as well as over a macadamised road: this I deny in toto, and will, with your permission, call the attention of your numerous readers to an engine which will perform duties which Boydell's never has or ever will accomplish. The theory of it may be very good, but its practical working capabilities are what is wanted, and must be developed, if it is to compete with others constructed on sounder mechanical principles.

The engine to which I allude is one patented by Mr. Thomas Aveling the well-known engineer of Rochester, and consists of an ordinary portable engine, fitted with self-propelling gear of a novel description, applied from a pinion keyed on the crank-shaft. There is also link-motion gear for reversing, which, in conjunction with a powerful brake, subjects the engine to the most complete control. A tank for feeding the boiler with water serves the purpose of tender for fuel and foot-plate, and is attached to the fire-box end. The wheels have broad tyres, and T-iron paddles are readily adjusted for the purpose of facilitating its progress over ploughed fields or boggy lands. By throwing the crank-shaft pinion out of gear the engine is adapted for all the requirements of an ordinary portable engine. A neat cast-iron steering-frame is attached in front, the steering-wheel being actuated by a long handle, and can be easily managed by a labourer of ordinary intelligence. One of these engines recently made a most successful experimental journey through the most crowded thoro

OXIDE OF SILVER.

OXIDE OF SILVER.

SIR,—As some discussion has taken place in the Journal respecting oxide of silver, perhaps the information I can give may throw some light upon the subject. In a little work on the reduction of silver ores, published here in 1858, Mr. Bowring describes simple and compound oxides of silver as existing in the ores of Real del Monte, where they are more abundant than one of your correspondents imagines, as between the years 1849 and 1858 the mine of Rosario, in Pachuca, produced nearly 100,000 tons of the production of the producti ore, containing a trifle over 1,000,000 marcs of silver, about half of which was from the compound oxide. During the same years, the extraction from the mine of Santa Ines, in Real del Monte, amounted to 40,000 tons, which yielded 231,715 marks of silver, nine-tenths of which were

tons, which yielded 231,715 marks of silver, nine-tenths of which were from the same oxide.

To separate the simple from the compound oxide, a weak solution of salt is first added to the sample to be analysed, and the chloride of silver that is instantaneously formed by the simple oxide is washed out either by ammonia, hyposulphite of soda, or a boiling solution of salt. The residumrsis digested in a solution of cyanide of potassium, and filtered; on adding a slight excess of hydrochloric acid, chloride of silver is precipitated, tinged purple or rose-coloured by manganese. A double oxide of silver and antimony exists likewise in several of the mines in Mexico, and similar combinations with other metals may probably still be discovered. Precipitated sulphuret, as also native silver, when reduced to a sufficiently fine powder, are also soluble in cyanide of potassium; but, on the addition

Precipitated sulphuret, as also native silver, when reduced to a sufficiently fine powder, are also soluble in cyanide of potassium; but, on the addition of an acid, sulphuret of silver is precipitated.

If in the Cornish gossans the silver really exists as an oxide, I do not understand how the whole of the metal does not come out in the docimastic assay, as it must be reduced by heat to a metallic state, and taken up by the lead. The only combination of silver that I can imagine that would not give its ley by fire might be a silicate, as that very probably would form a slag with the matrix. This combination could, however, be easily reduced by mixing the ore in fine powder with salt and sulphate of copper, and passing an electric current through it, in the manner described by Mr. Bowring. The reduction of the chloride of silver thus formed offers no difficulty, but it must be observed that the electric current decomposes as well as forms the chloride of silver; the quantity of electricity required for this process is extended yeard! well as forms the chloride of silver; the quantity of electricity required for this process is extremely small. If the gossans contain, as stated, merely oxide of silver, they might be very economically reduced by Mr. Ziervogel's method, minus the reverberation, in a country where salt is ocheap as it is in England.—Mexico, June 21.

AZOGUEBO.

PUDDLED STEEL.

PUDDLED STEEL.

Sir,—Having had considerable experience in the manufacture of puddled steel, will you allow me a space in your valuable Journal for a few remarks on the subject? Why puddled steel should be apparently so much neglected, and treated with so great indifference, in this country is rather a mystery; does it arise from our inability to produce a good article, so as to be able to compete with our foreign neighbours; or is it our wish to monopolise it, or to keep in darkness the advances and progress made ints manufacture? From the appearance of what I have seen of it produced by some of our principal makers, I should say, indeed, we are far behind other countries in the manufacture of this important article—in fact, it had little appearance of steel, but more like badly puddled or hardened iron, void of firmness, strength, and uniformity. But if, as I suspect, it is made with an excess of deleterious matter, or the addition of cold pig-iron to the metal while in a state of fusion in the puddling-furnace, in the manner described by Mr. W. Clay, of the Mersey Steel and Iron-works, Liverpool, in the Maning Journal of Jan. 23, 1858, and read at the Society of Arts by that gentleman, and patented by Mr. E. Riepe, I am not at all surprised that such an inferior article is the result. Success cannot attend such an operation; this I have fully proved, having frequently and carefully experimented upon it without obtaining any satisfactory result. To produce good puddled steel careful and skilled labour, with strict attention in regulating the temperature of the puddling-furnace during the whole process, is indispensable, as much more depends on such attention than on the agency of manganese, salt, or any other substances employed for the decarburation of cast-iron, to produce puddled steel. If we are dependent on other countries for this article it must arise from our incapacity to produce it in sufficient quantities, and of a class equal to our demands. Having an abunof cast-iron, to produce puddled steel. If we are dependent on other countries for this article it must arise from our incapacity to produce it in sufficient quantities, and of a class equal to our demands. Having an abundance of good means at cur disposal, are we not fully competent to supply our own and even other countries with it, and by this means give an outlet to our much-depressed and over-stocked iron market, which is so important to our ironmasters and to our poorer working classes; and also to keep at home our ablest and most skilful workmen, who are daily leaving our shores and seeking labour in foreign countries, and raising up staunch opponents to the iron and other trades of Great Britain by their superior skill and knowledge?

ponents to the iron and other trades of Great Britain by their superiorskill and knowledge?

Our American friends, who are making rapid strides, and bid fair to compete with us in the iron trade, are, like ourselves, behindhand in the puddled steel business, being dependent on Northern Europe for their supplies of this article, and, to some extent, on England for cast-steel, having made several attempts to produce puddled steel; but they also much neglect, and keep it a great secret. While travelling through the most important districts (for iron manufacturing) in that country, some twelve months ago, I was surprised at the great caution observed by them, particularly in one establishment, which was endeavouring to make it; the whole of the furnace and men employed were boarded in and kept apart from the rest, to prevent, as I was informed, the prying eyes of their fast neighbours from seeing and learning the great mystery of puddling steel. The article produced was of a very inferior quality, something similar to our own, although made from the best of materials.

In the production of puddled steel with wood I have had much experience, and have not failed to produce it equal to the best cast-steel for any purposes, and in many cases to supersede it, at a small advance on the cost of merchant iron, and without making any particular selections of

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pig-iron; and I do not hesitate saying that in this country it can be produced quite as good, at an advance of from 15 to 20 per cent. on the cost of merchant iron.

of merchant iron.

I have this week used a piece of 1-in. square bar of puddled steel rolled from the puddle ball to this size, at the same heat, first hammered into a bloom, then rolled down into a 11-in. billet, cut up, and rolled down into the small square; and without further forging filed into a tool which cut two grooves in a chill guide roll from the surface, without showing the least signs of defect. Such a test alone will quite satisfy your more intelligent readers of its capabilities without further comment. Subjoined is the opinion of a gentleman well known in the mining world and districts of Mexico, and to the late mining company of the Real del Monte Mines of that country, to whom I sent some miners' bars of puddled steel for trial:

Pachuca Mines, Aug. 23, 1859.—Your letter of July 28, together with the steel bars

to WHOM I sens some finiters bars of puttient steel for state :—

Pachuca Mines, Aug. 23, 1859.—Your letter of July 26, together with the steel bars came to hand, to which I was anxious to give a fair trial before replying, and have now the pleasure of doing so, though the observations as to its capabilities have not been made so minutely as I intended. The temper of the bars when seceived were too high, and on boring a hard stone they broke quickly: but having been sharpened and seasoned, as is usual with the cast-steel bars we receive from Sheffield expressly for this purpose, they have stood better, and, in fact, have served just as well in the hardest grounds—"distajos."—J. Richard Rules.

The above, mentioned tool forturning and other specimens, such as taps.

The above-mentioned tool for turning, and other specimens, such as taps, dies, &c., made from the same bar of puddled steel, can be forwarded to any interested person, or be seen by applying to me here.

Wilden Iron-Works, Abergavenny, Aug. 28. E. B. Mungo.

VOLCANIC ACTION.

VOLCANIC ACTION.

Sir,—It really is amusing to read in last week's Journal the credulous and very cautions manner in which Mr. Evan Hopkins chooses to receive my account of, and ability to show him, a mountain of Nature-calcined iron ore, the veritable product of volcanic action. Evidently he has no present belief in such a notable change, which in a F.G.S. is certainly somewhat remarkable; and equally strange has been his previous assertion, in the Journal of the I7th inst., that the igneous theory is not only totally unnecessary, &c., but is now all but exploded. Mr. Hopkins is too enamoured of what he styles the wet process of Nature to admit of the possibility of the equally, at least, potent process of heat. To quote Mr. Hopkins's own words, it is much to be desired that those who undertake to instruct the rising generation of miners, &c., should study the works of Nature (her whole, not merely in Cornwall) in extenso. I speak not of any superficial or mere surface, neither oxidised surface change, but to a whole mountain bed of ironstone (magnetic in the mines), and which fact I named previously, so as to lead Mr. Hopkins aright; and the commercial value of which may be judged of by the fact of some 28,000% to 30,000% having been expended on a branch line a few miles in length, to join the North-Eastern main line north, &c., and carry this ore to Ferry Hill, county Durham, where three furnaces have been built within the last two years for the special purpose of smelting this splendid seam of magnetic ore. If this be not a substantial reality, whose orizin most certainly cannot have Eastern main line north, &c., and carry this ore to Ferry Hill, county Durham, where three furnaces have been built within the last two years for the special purpose of smelting this splendid seam of magnetic ore. If this be not a substantial reality, whose origin most certainly cannot have been derived from any portion of the aqueous system and cold water which Mr. Hopkins desires to pour out rather extensively in his endeavour to explain away any idea of heat being the cause of the product in question. However such a magnificent geological fact escaped Mr. Hopkins's investigation when he was in the neighbourhood exploring, is to be attributed to his confining his visit to the sea-washed cliffs of Whitby alone (where he saw a surface sea-washed oxidation, but very remote from volcanic action, even in appearance), and not attempting to go over and explore the inexhaustible mineral wealth of the adjacent valleys, recognised by Prof. Phillips, Marley, and others, to be the real lasting supplying district for the kingdom's supply, unequalled for quality and quantity; and as to cost, it can be put into the furnace here for about 2s. to 2s. 3d. per ton, as compared with 16s. and 12s. in Staffordshire and Wales relatively. However, all I can say to Mr. Hopkins is, come and see for yourself; and all I ask is that he honestly and honourably acknowledges and gives to the iron world his convictions, after a proper examination and inspection of the teeming wealth of this very favoured locality. If Mr. Hopkins favours Whitby with a visit, I shall also show him another result (equally extensive in its range and magnitude) and origin of volcanic action in the basaltic whinstone dyke, running across the country in this neighbourhood from Mayleck towards, Scarborough, and reaching into the country as far as Cockfield Fell, in the county of Durham. Throughout its length it is most extensively worked for metalling the public roads, and so very valuable is it for this purpose, and lasting, that it bears the heavy rail carriage ch England for the county roads. I make little doubt of removing Mr. Hop-kins's scepticism, and somewhat alter his views as to the power, usefulness, and certain results of the internal fires of past ages. T. A. Barnes,

Whitby, Aug. 29.

Mining and Consulting Engineer. Whitby, Aug. 29.

ON THE ORIGIN OF QUARTZ VEINS.

ON THE ORIGIN OF QUARTZ, VEINS.

Sir,—In the Journal of Aug. 3 Mr. Evan Hopkins alludes to Sir Roderick Murchison, in reference to some disputed theory as to the production of gold in depth. I have not read of any theory which would in the least show that gold cannot be found in great depth; but I will describe what is seen, that those better acquainted with theories may judge and draw their conclusions. Some might even dispute the origin of quartz dykes, and class them with other mineral velus; but I take it for granted that their plutonic formation cannot be disputed, though various are the appearances and changing induces produced by the chemical action of water and electric currents, forming crystals, filling small cavities, &c., such appearances being sometimes the sole ground for the views taken by a superficial observer as the means that have produced the whole (just as if a shirt could be made in Manchester without the material composition of bodies, but think it possible that a molten mass of quartz acting on the rocks on each side of the fissure might cause mineral discharges, from the formation of carbonate of lime with quartzoes substances, and might readily crystallise on the cooling of the mass. On the raturn of water it would act its chemical part, producing in itself, according to the stratu and mineral around, electric currents, the character and power of which govern the electro-chemical deposit. But this I take as nothing to do with the gold produced in quartz velns, which are exuded from the molten mass within the cruat of the earth; the fissures through which they have been sent forth are generally of a later date, than other mineral veins, to which class they do not belong, but to the dyke formation, such as basalito veins or fine-grained granite, a proof of which Dr. Hottoway, a mineral egist of great experience, mentioned to me while in Victoria, that while acting as manager of orgest experience, mentioned to me while in Victoria, that while acting as manager of orgest experience, mentio

ueous origin.

It where the proof is given I look on it as an established fact. When Nature speaks
serself, then the trifling works of man fade away. At Stigletz, in the district of
trat, an overwhelming proof presents itself as to the origin of quartz veins. The
nulton being harder than is resual on the gold fields, we were enabled to study the
ect better; where in a softer stratum disorder presented itself, in this hard rock the
dive origin of the quartz was plainly discernible. The strata consisted of alternato
rs of sandstone and slate, or schistose rocks inclining at an angle of about 25°,
nting the various layers of strata as the course of the fissure made in the convulsion
ature (caused by the contracting of the earth's crust on the igneous liquid mass, Counting the various isyers of strata as the course of the fissure made in the convulsion of nature (caused by the contracting of the earth's crust on the igneous liquid mass, within which, exerting a force equal on all sides, bursts the weaker part, which it shows successly to be in the secondary rocks (gases and fumes of minerals would be the first discharged from the plutonic fires, in part depositing themselves as condensed on the walls of the opening so made; this takes place with great rapidity, the liquid molten mass of quartz following after, the heat of which causes nearly all mineral substances to fly lightly away, but in nearing the surface the powerful force exerted has nearly found its balance, and the column of quartz moves slowly, and some mineral substances, which have been condensed from the fumes of minerals arising from beneath and deposited on the walls of the fissure, now take at a less temperature their metallic form, intermixing with the auriferous quartz as lead or other minerals, such as are used in fluxes to gather the gold in the furnace. So do the minerals left by fumes again take their metallic form in the quartz dyke, gathering the gold disseminated throughout the mass into small particles or nuggets, again diverting their glittering companion to visit the atmosphere seen where nuggety gold is found. And the underwall would naturally, as the quartz becomes solid while in motion, be cut and growed, particularly that part corresponding to the temperature, as it may be, consequently other mineral and stains are seen where nuggety gold is found. And the underwall would naturally, as the quartz becomes solid while in motion, be cut and growed, particularly that part corresponding to the mass in the column above, and, therefore, by clearing away the overlying quartz will be seen a flute-like appearance growed on the hard edge of the rock, once rough and now smooth, and of a fluted form, as seen at Stigletz: while the back or overhanging wall, especially near to the mineral isoface, is up

I have given proofs, as seen, of the origin of quartz dykes, and have endeavoured to account for their apparent richness at or near the surface. As nearly all gold mines are started by rough gold being found at or near the surface; and as adventurers are tempted to a trial of the ground by rich specimens, while a sample of quartz equally rich, if quantity be tested, without its showy qualities, would want its attraction; seen is believing. A good specimen of gold, as other minerals, is a great attraction, and is often worked were a more productive vein, without the attractive property, lies totally neglected, and vice versa. The apparent riches in depth may vanish away, and that which was only hidden from our view may present in further exploration the all-absorbing spangled appearances. Where it is, there it is, both at surface and at the greatest depth; for such must be the case if quartz is to be considered the mother of gold. Another proof of which is given in the late practical report of the Port Phillip Gold Mining Company, where it is shown that there is no diminution of produce in depth, the gold being disseminated throughout the mass, therefore to a theoretical observer the quartz seems less productive as specimens or nuggets become more scarce.

P.S. Does Dr. Langlade's patent process for the separation of minerals by specific gravity in fumes prove that the mineral weight corresponds in the vapour to the weight of minerals as shown by their specific gravity in water, and are deposited when condensed in a similar order? I have given proofs, as seen, of the origin of quartz dykes, and have endeavoured to the loccount for their apparent richness at or near the surface. As nearly all gold mines are primers

THE CORNISH SYSTEM OF WORKING MINES.

CORNISH MINERS AND NORTH COUNTRY COLLIERS.

Sir,—I was rather surprised to find in the Journal of Aug. 17 a letter from Mr. Hopkins, condemning the system in which mines are worked in Cornwall and Devon, and placing the managers of those mines half a century behind those who have the management of coal mines, &c., in the North of England and Wales, Mr. Hopkins acknowledges that the Corntury behind those who have the management of coal mines, &c., in the North of England and Wales. Mr. Hopkins acknowledges that the Cornish miners have paid great attention to their pumping appliances and dressing, and this, he says, might be left to Cornishmen; but he would recommend the transference of management of working to North countrymen (colliers). It would be almost as good a policy to send Cornish miners to manage cotton mills in Lancashire as it would be not end colliers to manage copper, lead, and the mines in Cornwall. There is searcely any comparison between working of coal beds and working of copper and other mines in Devon and Cornwall. Sarely the most simple of all ulning is the working of coal beds, and the most ignorant Cornish miner would be able to carry out when a work; but, on the other hand, there is a great contrast in the Cornish and Devon mines, where the various lodes are so thrown about by silieds and cross-courses that it requires men of experience to carry out the workings.

Mr. Hopkins charges us with the old system of mining, using barrows and kibbles. But this is not general in the mines of Devon and Cornwall; for the last forty years the skip has been in use in Wheat Friendship Copper Mine, Devon, working at a depth of 240 fms., each skip carrying from 1½ to 2 tons of stuff; also in Devon Great Consols, where they have been sampling slood tons of copper ore per mouth, besides many thousand tons of poor stuff drawn to surface in the same month. We might almost number tons with many of the large collieries, therefore we are not so far behind on this point as Mr. Hopkins might suppose. With regard to man-engines, they would not be suitable to all large mines; such as Devon Great Consols, where men are thinly scattered, working for two milles in length, they would be of little use.

Mr. Hopkins also refers to Australia and America, to show that the Cornish are behind in the working of gold quartz reefs, &c.; but, as I have been in the mines both of Australia and America, to an dr.

MINING IN CORNWALL AND THE NORTH OF ENGLAND. MR. EVAN HOPKINS AS A REVIEWER OF MINES AND MINING REPORTS.

MR. EVAN HOPKINS AS A REVIEWER OF MINES AND MINING REPORTS.

SIR,—When reading the Journal of Aug. 17 I was amused with the observations of my friend, Mr. Hopkins. He should have known ere this I was too old a soldier to be frightened by his popgun, or killed by a paper bullet. His remarks are very ungentlemanly; and, among others, I cannot help referring to his 8s. observation. Every Continental traveller knows the annoyance and inconvenience of the passport system. A man arriving at Vigo, and sailing thence for Oporto, Lisben, and Cadiz, and on to Huelva, returning to Cadiz and Lisbon, would experience a little of its difficulties, and find he could not clear out there for Oporto under 8s., including guide to custom-house, police, and booking-office. Mr. Hopkins's informant, when supplying this choice piece of information, probably added that he provided Mr. Ennor with letters of credit to persons in the country, which would not be acknowledged on presentation. I flatter myself I can travel as cheap and expeditious as Mr. Hopkins or any other person; and when 200 miles in the country, without knowing the language (as Mr. Hopkins observes), and only 2s. in my pocket, my reputation was sufficiently wide-spread that I did not require assistance from the British Consul, as many mine inspectors have. I was offered ten guineas a day and expenses as long as I chose to remain; as it was, I was in a position to provide first-class passage home, and returned with more money in my pocket than I took out. I could go into Spain and save money, which is more than the majority of inspectors can.

Notwithstanding Mr. Hopkins's observations on what he calls sulphur deposits, I

assistance from the British Consul, as many mine inspectors have. I was offered ten guiness a day and expenses as long as I chose to remain; as it was, I was in a position to provide first-class passage home, and returned with more money in my pocket than I took cut. I could go into Spain and save money, which is more than the majority of inspectors can.

Notwithstanding Mr. Hopkins's observations on what he calls sulphur deposits, I still maintain they are lodes embedded in killas. I also gave the run of the lode and dip; the cleavage is nearly on edge. This view may not be entertained by the school-taught surveyor, who never passed the miner's ontend, or underwort the tedious operation of having the right arm hung on the left side. "Mr. Hopkins is not surprised at mistakes being made and improper terms used by Cornishmen, they not having the opportunity of sceing well-developed laminated rock." Cornish miners have travelled five times as much as Mr. Hopkins, they work practically the rock of every clime, and hundreds of them return with fortunes. It is strange such practical men, hourly watching the changes of Nature, have not the chance of learning what school-taught Theoreticals pretend to know. It does not follow that an inspector of Spanish mines should be acquainted with those of Wicklow; and although I have several orders to examine them, such formations are so familiar to me that I can afford to dispense with Mr. Hopkins's recommendation, and report correctly on Spanish mines withal. Such an inspection I consider an acquisition, and operator, necessary to the would-be mine inspector before going abroad; I do not require in a constitution of the such as a significant of the several orders to examine them, such formations are so familiar to me that I can afford to dispense with Mr. Hopkins and the such particular that these lodes will end is only matter of opinion. It is not to be expected that mass of sulphur like that at Rio Tinto is to become all copper at 100 fms. deep, neither ansas of sulphur like

the locomotive on the common road?—Cornishmen! Where they not the first-to experimentalise with gas? I was the first to introduce the long-stroke winding-engine, and carried it out, when the best engineer in the country refused to contract for it. I introduced the square skip or wagon, with chain guides, at the Delabole Quarries, mast thirty years since, which the celebrated Stephenson twice visited, and took plans of, accompanied by 600. Rennie, Millar, Gold, and others. He even wrote me after, to obtain further information. These plans he carried with him to the North of England. The traveiling cranes in London—in fact, in every part of the world—are my invention, got up for Johnston, of the Dartmoor Granite Works, and which he afterwards introduced into London; for the drawings he presented my son, then fourteen years of age, with a 51, note. The furnace for heating locomotive wheel-tyres and machinery for bending them as introduced by me, and for which I refused compensation after it had been got up. Mr. Hopkins must not imagine that it is to himself and the men of the North all presses is due; they are only working on the fruits of other's studies.

Nicholas Ennor.

MINING-SPECULATIVE, AND AS AN INVESTMENT.

Aug. 27.

MINING—SPECULATIVE, AND AS AN INVESTMENT.

Sir,—Ihnve read with great interest an article which has lately appeared in a Mining Circular, in which it is shown, I think beyond doubt, that investments in mining property are not so hazardous as the public generally suppose. I have taken the trouble to look into the matter, and I have satisfactorily proved, to my own mind, that the results arrived at by them are not only correct, but are considerably within the mark, if we take into consideration that many of the dividend mines which existed at the ontset of their calculations have long since suspended operations. The writer has been, I think, if possible too fair with the public, for had be taken even the results of the last five years be would have shown a larger average profit, and a considerably larger percentage on principal. If the speculative world would be guided by such numitakeable facts deduced in the article alluded to they would not have such a bad opinion of mining as a speculation. But, instead of this, I fear they are too often decoyed from the safe path by the numerous specious advertisements which frequently appear in our daily appers, and which hold out, under a fair disguise, an alluring balt, too frequently greedily awailowed, and only discovered to be artificial when the treacherous hook is felt sticking in the gills. But the article alluded to related principally to dividend mines, yet dividend mines were not always dividend mines, and this fact leads me to turn my attention to progressive raines. Why, I should like to know, may not progressive mines, judiclously selected, be, in a certain proportion, free from risk? When I say "free from risk," I mean as free as any speculation can be, for ne speculation is free. I see no reason why they may not. Mines under bong fed management, is good districts, with good indications for future improvements, surely must be worth investing in. I should never advise anyone to trust to his own judgment, unless he is practically requainted with the "

such returns of blende as will, at any rate, prevent the necessity of making calls, and should a rise in this mineral take place, the mine would immediately be working at a large profit.

BOTTLE HILL is a mine which has been sadly neglected by the public, and it seems strange to me that this should be so, seeing that it has never, since the present company have worked it, made a single call. It has sold over 1800l, worth of tin this year, and in the course of two months will sell at different periods an aggregate amount of 17 tons in addition. There has been an improvement lately in the Bucking-house lode, and altogether the prospects of the mine are exceedingly good, and I should especially advise an investment here.

WHEAL CREMON adjoins Devon Consols, and affords as fair a prospect of good results as any mine in Devonshire. Immense returns were formerly made from it, and equally great ones may be expected from the course of operations now pursued. Shares are at a very low figure in comparison to their value, and I think no one would regret laying out a little money in this adventure. Indeed, all the mines I have mentioned are at ridiculous prices, and if a small sum were laid out in each, no doubt a large profit would be made in a very short time. "The more the merrier," is an old saying, and I hope soon to see a larger proportion of the public entering into this species of speculation, and that they will I firmly believe, especially if money becomes cheaper owing to a further decrease in the rates of discount. However, "Time tries all." YEMPLES.

APPLICATION OF MACHINERY TO MINING.

APPLICATION OF MACHINERY TO MINING.

Sir,—As the destruction of a mine is a national loss, I need not ask of you, I presume, twice to do what you can to save it. They say that while there is life there is hope. Now, I am given to understand that for the next two or three months Great Wheal Alfred, with a bad and expensive shaft, will give not less than 5001, profit per month. I see that not one-fifth of the proprietors voted for its abandonment; and I submit to all the adventurers if, under these circumstances, it would not be a wise and a proper step to have another meeting, first sending each adventurer a stamped proxy for him to sign, and directing him that if he was for prosecuting the mine to send it to some one, say Mr. Nicholls; whilst if he was for the abandonment of the mine, to then send it to Dr. Beatile. Another plan I would sugest; let those tired of the concern relinquist help almares. And I would ask, seeing that Alfred Consols and this mine are so intimately connected, whether some plan cannot be found for amalgamating the two mines? To show the wisdom of perseverance in mining, I will name the following:—A friend of mine held two original shares; at last he got tired of paying every two months a lot. all; he relinquished his shares, and received 321, for his share of the materials. Had he paid one call more and kept the shares they would now be worth near 20001.

I was glad to see Mr. Crease's remarks in last week's Journal, which condram my views to some extent. I think he is ignorant that our levels are signag, or he would not have found fanit with my plan for using horses underground. If Mr. Crease's plan will do for driving as well as for sinking, then in cross-cutting his inclines may be used to advantage. I am something of a mechanic myself, and have long considered the practicability of using mechanical means, especially for the sinking of shafts; and had not Mr. Crease's one the thing altready, I should not be afraid to undertake to produce a machine to do the work cheap, quick, and wel

Sig.—I think the remarks of the Chairman at the special meeting on Tuesday last most proper and fitting. It is not at all surprising that after an outlay of 71,2654, in calls, with no better prospect, in fact worse, than for a long time, they should consider it time to stop such a large outlay. Mr. R. Nicholls will, of course, make every effect to shafts in old worked-out mines. Many are doing so where practical men consider there is a chance of the mine paying. For instance, in Diolocant (where they have the first of the mine paying. For instance, in Diolocant (where they have the first of the mine paying. For instance, in Diolocant (where they have the first of the mine paying. For instance, in Diolocant, where they have the first of the mine paying. For instance, in Diolocant, where they may be a considered to the control of the mine paying. The man is a control of the mine paying the mines of the Castal and the anomaly and the economic paying of the mine; It is partly in his states, and if it stops will greatly be intered are more keen-eyed Practicals in the Cornish mines than he is aware of, who are quite withing of the mine; It is partly in his states, and if it is the will pay propose the men of the control of the paying of the mines. It is not long the control of the paying of the paying of the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines of the control of the paying the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines of the paying the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines with their "staff of life." Mr. J. E. Poof does not be first the paying the mines with their "staff of life." Mr. J. E. Poof does not be paying the mines with their "staff of life." Mr. J. E. Poof does not be paying the mines with their "staff of life." Mr. J. E. Poof does not be paying the mines with their staff life. Mr. J. R. E. Poof does not be paying the mines with their staff life. The read of Mr. T. Poof life. T. T. R.

e, and 1700/. to 1800/. per month to pay? I see by Mr. Hollow's letter that the researy expenses to keep the mine going in engines, enginemen, fillers, trammers, &c., respending a penny in tatwork or tribute, is enough to keep an ordinary large mine ag. The committee would no doubt be glad to have suggestions, good ones, as to to work the mine at much less costs, but they know it cannot be done, and wisely stop, and put your money somewhere else, and not listen to men who bear not the den, while they reap all the advantages.

Rreadneedle-street, City, Aug. 28.

THOMAS SMITH.

MINING IN CORNWALL AND THE NORTH,

MINING IN CORNWALL AND THE NORTH.

Sir.,—Nothing can be more certain than that everyone knows where the shoe pinches better than the poor unfortunate who wears it. Although there may be many improvements to be effected in Cornish mining, especially as regards the drawing, what greater absurdity is there than to compare the working of our mines with those of coal and from mines? I take it that coal is generally found in immense beds or layers, and iron ditto; and that when found by boring, it is only a question whether the size or quality of the seam will pay for working; and when once this is affirmatively ascertained the lucky owners may turn to and sink as large a shaft as they please, with all the improvements of the day for quick and easy dispatch, both of the stuff and men, ceriain that the results of the workings will pay them. How very different here in Cornwall. Mr. Robert Knapp, in last week's Journal, hits Mr. Hopkins in the right place. Here we poor fellows have to speculate not by boring to find a floor, but to sink a shaft and drive levels on the lode, not knowing exactly where to drive or where to look for the ore. We know very well that we may have a most kindly gossan, or beautiful lode, all the requisites except the ore, for that we have to sink, and drive, and search; and after sinking and driving, and spending many thousands, may not have it after all; or if we find the bunch, it may underlie so much that it will require soveral shafts on it before it is all working of your North county vertical ones? We know, also, that sometimes we can sink our shaft on and thus prove our lode as well at the same time for a quarter part of the cost and time that it would require to sink it in the country; but that in doing so it may take some ugly turns; still it answers our purpose, and we sink. It is amusing to see such lucubrations as those of a "Local Shareholder" about Great Alfred. Poor fellows! they had better stick to their own line of business; and let them remember that men who have spent their li

ASHBURTON UNITED MINES-STEAM STAMPS.

ASHBURTON UNITED MINES—STEAM STAMPS.

Sire,—By Capt. Edwards's report of these mines in the last Journal, shareholders and the public would be led to infer that from great exertion twelve more heads of stamps had been got to work in addition to the former number. I should like to have this statement confirmed: as I believe that, unfortunately for the shareholders, who know but little what is really going on 'at the mines, a few days since there were but 14 to 16 heads at work, including the new ones alluded to; for, from my own observation, if the new heads were really at work, the old ones were really standing still; and from what I could'see and learn in the neighbourhood of the mines, the number was more likely to decrease than increase, and that we shall find to our cost at the next meeting, for a call must then be made. Some time back Capt. Charles Thomas inspected these mines and strongly advised steam stamps to be erected, but instead of doing so they have erected water stamps, and now have no water to put them to work. I am informed, on good authority, that had this advice been taken the mine at this moment could be paying at least 10s, per share bi-monthly in dividends, instead of a call ionning in the future. It will searcely be credited that at this time there is some 3000% worth of beautiful stuff at grass, over 20,000% worth of well known, and that with steam stamp dividends could be paid is not doubted by parties quite as well, or better, acquainted with the mine than Capt. Edwards or the committee of management themselves; but without that power it not only will never pay, but must make calls, and this our next meeting will prove. Now, should this be so, with ore at grass and in sight that could be returned at sufficient profit to erect and pay for steam stamps, besides paying the shareholders, tool of the formation of the order of the day; but, on the co

A LIBERAL LANDLORD.

A LIBERAL LANDLORD.

Sir.—The spirit of solidainess has of late years been so prevalent amongst all classes of men connected with mining and other pursuits, that the few liberal-minded acts of fair dealing and generous landlords stand out in bold relief. You have heard also the opperasive exactions of the late Duchy agent, whose removal from office is halled with much pleasure by duchy lessees; and you have heard also of many absurd restrictions imposed by other lords' agents in their mineral grants, and of the enormous charges made for the grants and leases. In the case of the Duchy, the first thing required has been the payment of 81. in advance for the license and minimum rent for one year, and then the very high dues required to be paid have disgusted the miners. I forbear to detail all the obscious sets of the agent, now out of office. The landowners of Cornwall, although much better than the Duchy, are not free from censure, because they allow their agents to charge too much for licenses and leases—the charges for the latter having greatly advanced since the reduction of the stamp duty! So that no benefit has accrued to the public from such reduction, the lawyers having pocketed the difference and increased the charge. Twenty years ago 21/. was the maximum charge for a mine lease under the old Stamp Act, now the charge per lease varies from 26/. So to about 50/.!

What a striking contrast to the usual conduct of landlords and their agents has been gressented by that of Mr. W. Chambers, of Hadod, in Cardignashire. A license in Cornwall is usually for six, nine, or twelve months; Mr. Chambers has granted a license is 1-10th; Mr. Chambers has reserved 1-20th only. The usual duce paid in Wales is 1-10th; Mr. Chambers has reserved to years from the expiration of the license. Most landlords, or their agents, usually grant very small extent of land in one lease; Mr. Chambers has agreed to grant for 40 years from the expiration of the license. Most landlords, or their agents, and for the license he charges nothin

MINING IN PRUSSIA.—The whole of the mines, machinery, and smelting works belonging to the Wildberg Great Consolidated Mining Company are to be offered for public sale on Sept. 16—the advertisement appearing in another column of this day's Journal. The property is of ample extent for mining operations, covering 117 morgen (about 80 acres), and is well situated on the Wildberg, about ten German miles from Cologne and four from the Cologne and Siegen Railway. While the company were energetically working, this railway was only in course of construction, and it is admitted that the difficulties which prevented their success were almost entirely attributable to the want of ready means of communication, and it is thought, not without reason, that as railway facilities are now provided, and as 40,000. have been expended in exploratory works, and the erection of a very excellent plant—including smeiting works, first-class machinery, and miners' houses, an excellent opportunity is afforded for the successity prosecution of the works by a fresh body of adventurers—additional capital being apparently all that is required to ensure success. The simple fact, moreover, that during the past three years the lead and silver produced from the mines has been of the value of 65,000t. should of itself be sufficient to give confidence to English Capitalists.

Provered Exceptions in New Zealand,—It will be recollected tha MINING IN PRUSSIA.—The whole of the mines, machinery, and smelting

British Enterprise in New Zealand. -- It will be recollected that some time since a company was formed in England for profiting by the introduction of British capital into New Zealand—the Great Barrier Land, Harbour, and Mining Comformation of a fills undertaking for establishing and carrying on a store upon one of the most favoured spots upon the property of the parent company. The New Zealand Store and Commercial Company has a captial of 25,0001, in 501. abares, and has been established upon the limited liability principle. Its operations will be confined to Port Fitzroy, a magnificent harbour, well sheltered, and available for ships of any tonnage. The requisite land has been obtained from the parent company for ten years, at the nominal zent of is, per acre per annum, with option of then taking a lease for 21 years, at not more than 2001, per annum.

GOLD IN NOVA SCOTIA.-Mr. W. Cunard, of Halifax, has been very successful in his prospecting for gold at the "Ovens' Diggings," near Lunenburg, Nova Scotla. Having obtained a number of nuggets, he returned to Halifax to obtain the necess rry men and materials, and is now again at the diggings, well prepared for extensive operations. The miners at Tangiers, about 75 miles from the Ovens, are reported to be doing well.

A splendid lump of copper ore, weighing 8 cwts., will be sent from South Australia to the Great Exhibition of 1862. In the lump are grey, black, and green ores, green and blue carbonates, crystallised and uncrystallised, and a small piece of red oxide, mixe! with iron ore and pipeciay.

Coal has been discovered near Launceston, in Tasmania.

THAMES TUNNEL COMPANY.—Receipts for the week ending August 24,

THAMES TUNNEL COMPANY.—Receipts for the week ending August 24, 81. 8s.; number of passengers, 13,956.

LONDON GENERAL OMNIBUS COMPANY.—The traffic receipts for the week ending August 25 was 11,7291. 3s. 1d.

HOLLOWAY'S PILLS—DIBEASES OF THE DIGESTIVE ORGANS.—These dimirable pills contain no mercury nor other noxious ingredients, and are, therefore, pegalfarly adapted for those altiments which often attack the nuccous membranes during he summer. Holloway's pills cleanes the blood, stomach, liver, and lungs from all partial impurities, and subdue local irritation. They improve the powers of digestion, and speedily erasilcate all disorders of the liver, bowels, and kidneys. A course of these booling pills prevents the distressing billous attacks induced by hot or humid weather, and dispels fautlency, siddiness, headache, and coxtiveness. As purifiers of the blood Holloway's pills stand unrivalled, hence their power of clarifying the complexion, re-moving sallowness, checking the growth of pimples, and renovaging the vital functions.

Meetings of Mining Companies.

EAST WHEAL RUSSELL MINING COMPANY.

arterly general meeting of proprietors was held at the co Mr. HALL in the chair.

Mr. J. H. Muncuison (the secretary) read the notice convening inimates of the last were read and confirmed.

A statement of costs and returns, up to the end of June, showed-

on raising bi-monthly from 200 to 220 tons, at a cost of about 6001, per month.—James Richards, John Goldsworth.

The Chairman having moved the adoption of the report and accounts, said that the committee had hoped to have submitted a more favourable balance-sheet upon the present occasion, but at the same time proprietors must recollect that there had not been any sail for nearly two years, and that during the past 18 months there had been an expenditure in the purchase and erection of the new engine and its appurtenances of about 12001, the whole of which had been liquidated by the returns from the mine. According to the report of the agent, there was a probability not only that the returns would increase but also that the costs would be diminished.

Mr. W. H. Farren enquired if the prospects for the next three months were as favourable as those which the agent's report, their prospects for the next three months were more encouraging. He might state that the accounts had been audited by the committee before being presented to the general meeting, in addition to which the cost-sheets and vouchers were audited every month.

A SHARENGLER enquired if the committee knew of any reason why the present market price of the shares was so low?—The Secuetara knew of no other reason than that it did not appear to be at present a favourite stock in the mining market, its attention having for the time been attached to other shares—in addition to which the general depression that had for some time existed had, of course, had the same effect upon East Russell shares that had been the case upon all other descriptions of mining property. So far as the mine was concerned, its actual position and general prospects were at the present time more favourable than when the shares were quoted at 200.

The CHAIRMAN stated that a letter had been received from Mr. Matthews, the purser of Wheal Russell, whele contained a proposal for the sinking of a boundary shaft between the two mines at a joint expense.

The Scentaran read he letter ref

Mr. Monoan thought it would be better to drive the 100 fm. level in Hitchins's shaft, because it would be in new ground; and it had always been expected that a great quantity of ore would be found on the western side of the sett—it might turn out to be so. The Securarar said that, no doubt, the agents had good reasons for driving the 88, and they certainly ought to be the best judges of how to work the mine. The 88 had been the best level at the eastern part of the mine. The report having been received and adopted, and the accounts passed and allowed, it was unanimously resolved that the proposal from Wheal Russell for sinking a boundary shaft at a joint expense could not be entertained.

The meeting was then made special, for the purpose of appointing a member of the committee in the room of Mr. Hancock, deceased; but there already being three working members, it was agreed that the matter be deferred till the next meeting.

OLD TOLGUS UNITED MINING COMPANY.

An ordinary general meeting of shareholders was held at the company's offi Mr. M. Pound in the chair

Mr. W. Charitas (the secretary) read the notice convening the meeting, and the mi-nites of the last were read and confirmed. The accounts, from April to June, showed—

Leaving debit balance...... £ 764 6 3 The report of the agent was read, as follows:

The report of the agent was read, as follows:—

Aug. 24—The new south lode is intersected at the 52 by a cross-cut 60 fms. south from engine-shaft, and developed by level 5 fms. west of cross-cut; for this drivage it is small and unproductive; this end is about 10 fms. to the east of the shaft, which is sunk about 10 fms. below surface, in which the lode is 1½ ft. wide, yielding pretty much mundle and stones of yellow copper ore—a very kindly lode; we shall drive under this shaft with all speed.—South Lode: This lode is cut at the 52 by the same cross-cut; 12 fms. south of engine-shaft, and opened on by a level, 42 fms. west of the cross-cut; 12 fms. south of engine-shaft, and opened on by a level, 42 fms. west of the cross-cut; for most of this distance the lode is from 2 to 3 ft. wide, composed chiefly of mundic with stones of yellow copper ore; during the last two months, for about 6 fms. in length, the lode has produced from 1½ to 2 tons of copper ore per fm.; the lode maintains its size, but st present is only yielding stones of ore, with an indication of an early improvement. The 42 is 54 fms. west of engine-shaft; the last 20 fms. of which are on the south lode; the lode is from 2 to 2½ ft. wide, composed of quartz, mundic, fookam, and stone so figod quality copper ore, and letting out pricty much water, which we consider to be a favourable onem. The 32 is 61 fms. west of engine-shaft; the last 19 fms. of which are also on the south lode; in this drivage the lode is from 1 to 1½ ft. wide, producing or easional stones of ore. In the end the lode is 1 ft. wide, composed of mundic, blende, and a little yellow copper ore. Looking at the extensive piece of untried ground to the west of these ends, which is traversed by the great cross-course, about which the neighbourin g mines have been found very productive, warrants a vigorous prosecution of all the ends is that direction, which for the present is the only course I would recommend you to parseched the object of the sample 14 or 15 tons of ore in about a mo

seel about 701, worth of tin. We estimate the cost for the next three months, inc inding merchants' bills, to be from 1751, to 1801, per month.—W. Pascoz.

The Charmaxa, in moving the adoption of the report and accounts, stated that islines the last meeting the works had been conducted under the control of their new mana, error it would be seen from the report just read that a marked improvement had taken pi ace in the mine, for at that time it presented scarcely an encouraging point. The agen t's report stated that the 58 had been driven for 6 fms. In length through a very fair cour, so of ore; and although the lode was not very rich in the present end, it was still strong and kindly in its character, and the expectations were that it would soon resume its forms a value. The lode in the other levels had improved, and great condience was expressed in the result of driving back towards the great cross-course. All the productive mines in the elistrict had made ore near this cross-course, therefore they had reason to suppose that, as they in Oid Toigus approached that cross-course, the lode became more kindly and productive. He was glad to say that the costs were being reduced without retarding the efficient prosecution of the mine.

The Sucarrax said that since the last meeting the arrangements with regard to the management had been carried out, the result of which had been that the monthly cost was materially reduced. During the last month there had been more done in opening out the prospects of the mine than had been for the last 12 or 18 months. They had three very kindly ends. At the 52 the lode was not so productive as it had been, but it still maintain d its strength; and there was every prospect of it becoming productive as it approached the great cross-course. There had been several other points in operation, but in consequence of the depreciation in the price of tin, it became a question whether they would prove resumerative, and it had, therefore, been deemed more point to confine their attention—at any

rsect a course of ore, it being thought they were at present to of the shoot of ore. He thought they had good reason for the worst of their days, that the calls in future would be the costs would be considerably less—indeed, he was hopfin. best of the shoot of ore. He thought they had good reason for believing that they had seen the worst of their days, that the calls in future would be very much essier, and hat the costs would be considerably isse—indeed, he was hoping that, by an increase of heir returns, their position in a few months hence would be so far improved that they would be able to consider themselves in a satisfactory position.

The report having been unanimously received and adopted, and the accounts passed and allowed.

and allowed,
The CHARMAN, referring to the financial position of the company, stated that they
had a balance of 740?. to figuidate, to which must be added the estimated cost for the
next three months of 550?. Under those circumstances, he would recommend that a
call of 22, per share be made.
Mr. DAVIDSON enquired the length of ground from the present ends to the boundary?
The SECRITARY replied that there were about 150 fms. of ground between the present
end and the boundary, and about 50 or 60 fms. to the great cross-course.
A SHAREHOLDER had understood that an independent agent had been underground, and
that he had stated he considered the lode one of the most satisfactory he had ever seen.
A call of 22, per share was made, a discount of 5 per cent. to be allowed if paid on or
before Sept. 3.

A vote of thanks to the Chairman was passed, when the proceedings terminated.

NORTH HAFOD MINING COMPANY (LIMITED).

A preliminary meeting of promoters was held at the offices of the company, Gresham louse, on Wednesday, for the purpose of submitting the decuments and title of incorporation to the shareholders and others interested in the undertaking.

Mr. BusH in the chair.

Mr. T. SPARGO (the secretary) read the notice convening the meeting, and the follow-

Mr. T. Spargo (the secretary) read the notice convening the meeting, and the following report:—

Aug. 24.—Since my last our men have been engaged in uncovering the Frongoch lode in the western part of the grant: we have not yet reached the rock here, but expect to do so next week, and I doubt not we shall find the vein of the same character as it? The state of the grant: we have not yet reached the rock here, but expect to do so next week, and I doubt not we shall find the vein of the same character as it? The state of the grant of

Rilly Gotta may do so; and the same amount on the middle weln under the carbonate or less than this, of one thing you may be certain, that the three courses of ore de exit, and that they must and will be found by a very small expenditure. I intend commencing a shaft on Rhiw Gotta as soon as I possibly can.—Assatos Fraxcis.

The Citaturax said he felt great pleasure in meeting the proprietary upon the present occasion, as he had to congratulate them upon having acquired a very valuable property upon most resonable terms. He knew it was frequently charged against the landlords of Cardiganshire that they exacted extrawagant terms; but he was happy to have it in Mr. Chambers, their landlords of Cardiganshire that they exacted extrawagant terms; but he was happy to have it in Mr. Chambers, their landlords of the condition of the con

general position and prospects which it presented. He was much pleased with the country, and also with the generally flourishing condition of the mines. It was evident to the most uninitiated in mining that the lodes of the rich neighbouring properties discinctly intersected the North Haford sett. He saw some of the finest specimens of lead taken out of the rubbish of an ancient mine in the company's ground, which, added to other facts, strongly impressed him with the belief that the mines in this property could not fail to prove remunerative. The mines eastward and westward of North Haford upon the same range of veins, were making thousands a-year profit. What he had seen had determined him to increase his interest, for he felt convinced some good discoveries would soon be made, which would materially enhance the value of their shares and of their property. Timber of the best description was abundant in the immediate neighbourhood of the mine, and he noticed there were fine streams of water passing through the company's ground.

their property. Timber of the best description was abundant in the immeaster bourhood of the mine, and he noticed there were fine streams of water passing through the company's ground.

Mr. Svarao said he had for a long time been engaged in mining operations, and had done his best in promoting the welfare of those who had entrusted him with their interests. He certainly could say—and say it with the utmost confidence—that he had never met with a piece of ground that possessed so many favourable features. He had done his utmost in bringing the North Hadof property before them unshackled by any drawbacks. The lesses, or license, had been executed, the company had been legally incorporated, plans of the ground had been taken for the information of the shareholders, and a "the better or more perfect carrying on of the works, the best engineers and men most acquainted with the nature of the mines had been consulted and engaged for the company's service, the best statistics had been collected of the character of the surrounding mines, and their produce, and the whole evidence went to prove that no better selection cond. do be made of a spot for mining investments. The grant to the company was extensive, fully two miles in longth on the run of the lodes, which, where touched, were charged with lead ore almost to the surface—he could teatify to that fact, for he had himse if gone over the ground with the specific view of testing the accuracy of the reports which had been made; he had seen the voins laden with lead ore, which he considered to be the forerunners of great mines up to grass. He was about to again visit the property, and the would clave nothing undone that would conduce to its best interests.

Capt. Mattraw Prancus, in answer to questions with reference to the length of time it would a ket to sink into the ore ground, judging from the indications at surface, stated that although the indications were sufficiently strong to enable them to predict with that although the indications were sufficiently strong to

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PENDEEN CONSOLS MINING COMPANY.

PENDEEN CONSOLS MINING COMPANY.

The ordinary two-monthly meeting of shareholders was held at the London Tavern, Bishopsgate-street, on Tuesday—Mr. W. Bawpin in the chair.

The notice convening the meeting having been read, the report of the agents (Capts. W. Eddy and James Warren) was submitted. The statement of accounts for June and July showed a loss of 2461. Is. 6d., and the general balance-sheet showed an excess of anets over liabilities of 18551, 16s. 8d.

A letter from Mr. White, the purser, was then read, stating that a plan of the sett, as required, had been forwarded to the Grown Office, and that nothing now remained to be done but the signing of the leases. Mr. Warington Smyth had written a letter to the buchy and Crown Offices, urging them not to delay the leases. Mr. White believed that as soon as they resumed their under-sea operations a fair profit would at once begin to be made. During the past two months the ground in the 118 fm. level had been harder, hally, the mine never looked better, so far as prospects are concerned, provided they can resume their under-sea workings, where the runs of ore have dipped.

The Chainxha said the committee were unanimously of opinion that the general prospects of the mine were very satisfactory. Before moving the usual resolution for the adoption of the report and accounts, he might inform the meeting that on Saturday last the committee received a letter from one of the shareholders (Mr. Thornthwatte), which

waite. Er thought the best evidence that could be adduced of the increasing value the tin g

of their ore was by comparing from time to time the amounts which their returns resilised, from which it would be seen that their produce had continued to gradually improve in value.

The feport and accounts having been received and adopted, the committee of management were re-elected, with thanks for past services.

The Chauman, on behalf of the committee, thanked the proprietors for their renewed expression of confidence, and assured them they were giving the affairs of the mire their undivided attention, which they would continue to do so long as they were entrusted with them. He hoped it would not be long before they declared a dividend—indeed, he believed it would have taken place before this had they resumed their under-sea sperations at the time anticipated,—The proceedings then terminated.

CUMBERLAND BLACK LEAD MINING COMPANY.

A special meeting of shareholders was held at the offices of the company, on Thursday Mr. Lindo in the chair.

A special meeting of shareholders was held at the offices of the company, on Thursday, Mr. A. Taegonino (the manager) having read the advertisement from the Mining Journal convening the meeting.

The Chairman said the present had been called for the purpose of confirming, or otherwise, the resolution passed at the extraordinary general meeting of shareholders, held on July 23, which was to the effect that, taking into consideration the embarrassed position of the company, the meeting was of opinion that the company should be wound-up voluntarily under the Joint-Stock Companies Acts, and that the requisite steps be taken for that purpose. He would, therefore, move the confirmation of that and the other resolutions passed at the last meeting.

Mr. Huner objected to the adoption of that course, upon several grounds. The Chairman which had just been urged, and the statements just made, would really form a most solid ground for the adoption of that course. It had been stated that the proceedings of the company from the beginning had been exceedingly improper. He (the Chairman) was not there to deny that statement, for no one felt the force of that complaint issure than himself. He was one of those who had had nothing whatever to do with the formation of the company, having only been recently initiated, and very much, he assured the meeting, to his cost. But, a the same time, let them act like men of business, and consider the best way of etting rid of the difficulties which stood in their way. It was antisactory to know that, whatever less had been done, the intrinsic value of this property had not been -because it could not be—interfered with. Therefore, having that property, let them make the most off, and make the best amends to the shareholders for the ills that had been done. Aliusion had very properly been made to the "free," and what some pleased to call "paying" shares. Now, there were no Articles of Association as tached to that company, and, therefore, they were regulated by the provisions of Table B, by w

meeting.

Mr. CORNFIELD proposed an amendment, to the effect that the resolution be not confirmed, and that the company be not wound-up for the present; which, in the absence of a seconder, fell to the ground.

The original proposition was then put and carried, the dissentients being Mr. Cornfield and Mr. Hurst, the latter having entered a protest, which he requested should be verticated.

registered.

A vote of thanks to the Chairman was passed, when the proceedings terminated.

CUDDRA MINING COMPANY.

A general meeting of shareholders was held at the company's offices, Austinfriars, or hursday, Mr. Laneshear in the chair.

not be one-third as heavy as hitherto; and that this property will be such as to satisfy and reward every adventurer.

The report of Capts F. Puckey and E. Dunstan was read, as follows:—

Aug. 26.—Agreably to request, we have this day carefully inspected the Cuddra Mine, and herewith beg to hand you our report. In the eastern part of the mine Tickel's engine-shaft is sunk to the 100, and that level driven east of the shaft about 9 fms. on the course of the lode; for above 4 fms. east of the shaft the lode produced a little black oxide of copper, but in the present end the lode is very poor. The 100 is driven wast of the shaft, by the side of the lode, 6 fms., but as the lode has not been cut through we cannot say anything as to its value; the lode in this part of the mine, from the 70 to the 90, a few fathoms east and west of the shaft, appears to have produced a small quantity of copper ore, and there are still three tribute pitches working at 13s, 4d. in 1t., but they will not leave much profit for the adventurers.—Tin Part: In the western part of the mine Walker's shaft is sunk a few feet below the 60; the lode at this level is very large, and exceedingly promising. For upwards of 40 fms. east of this shaft the lode is from 4 to 7 ft. wide, and will produce from 1½ to 2 cwts. of black in to the 100 sacks, which will very well pay for working. The said level is driven west of the shaft 17 fathoms. The lode here is also very large, and each least 4 fms. are driven through a splendid lot, worth 301, per fm.; the end is opening out a valuable piece of tin ground. There are four very important points in the mine, which we would recommend to be carried out with vigour—to continue driving the 60, west of Walker's shaft, through the tin ground, to at once commence driving the 50 also west of the shaft above the tin ground, to at once commence driving the 50 also west of the shaft above the inground, the course of the lode, to open deeper levels, and likewise the driving of the 100, west of Tickel's shaft, to get und

The report of Capt. A. Cundy was then read, as follows:—

Asy. 27.—I beg to hand you my report of this mine for the general meeting. Tickel's

Engine-shaft: The 100 has been driven west 6 ms. on the copper lode; it is about 1 ft. The Chammas add the committee were unaminously opinion that the general propects of the mine were very member of the subplied of the report and accounts, he might inform oring the usual resolution for the adoption of the report and accounts, he might inform oring the usual resolution for the subplied of the report and accounts, he might inform oring the usual resolution for the subplied of the report and accounts, he might inform oring the usual resolution for the substitution of the report and accounts, he might inform the substitution of the report and accounts, he might inform the substitution of the report and accounts, he might inform the substitution of the report and accounts, he might inform original to the critical substitution of the substitution of the report and accounts, he might have been determined as a substitution of the report and accounts of the committee. It was not as the mine was being worked in a miner-like way, and that so on as the post stated that the mine was being worked in a miner-like way, and that it was an account to the properties as a rich return would be made to reveal the properties as were resumed under the sea a rich return would be made to reveal the properties as were resumed under the sea a rich return would be made to reveal the properties as were resumed under the sea a rich return would be made to reveal the properties as were resumed under the sea a rich return would be made to reveal the properties as a rich return would be made to reveal the properties as were anticolarly related to the resolution of the properties as were anticolarly related to the resolution of the properties as were anticolarly related to the resolution of the properties as a rich return would be seen by the secondary of the bolder alone had contained the properties as a rich return would be seen by the secondary of the bolder alone had contained the properties as a rich return would be seen by the secondary of the bolder and the report of the properties as a rich return would be seen by the sec

the 60; and the 60 to be driven west of Walker's, on the course of tin, by six men. The Charlman said it would be seen from the report of Capts. Puckey and Dunstan, as well as from that of their own agent, Capt. Candy, that they had a valuable run of tin ground in the 60, the lock averaging for 60 fms. in length about 7 ft. wide; 50 fms. of it was good paying work, and the other 10 fms. was exceedingly rich. The agents who had inspected the mine were of opinion that they were upon a valuable and permanent run of tin ground, and they recommended the driving of the 50 fm. level, believing the tin would be found rich up to that level. Walker's shaft would besunk with all possible dispatch below the 60, and it was hoped in about eight or ten weeks snother level would be reached. From the appearance of the tin ground it was thought the tin would be found to be dipping east, so that by driving the 100 west, in the engine-shaft the tin ground would soon be reached. By bringing back that level large reserves would

be opened out, and seeing that the lods was three times the ordinary size of lodes, it must certainly produce three times the quantity of stuff, and as the ore had been found to be very good at that level, it was obvious that the advantage of having such a large lode was threefold, as it was obtained by driving one level instead of three. It was true the costs had been heavier than expected, but he (the Chairman) was glad to say that the costs would be lesseened by nearly 3001, per month, and that with the prospect of making good returns. It would be necessary to make e call upon the present occasion to clear off the whole of the liabilities, by which they would stand well as a company with the public; but if any future calls should be required, as they would only have to meet the actual working costs of the mine, they would necessarily be of a very small amount. It was true, also, that the capital had been called up rather more rapidly than had been intended, but he trusted by the next meeting auch results would be achieved as to make every shareholder perfectly satisfied with the position and prospects of the undertaking. For his own part, he fully believed that in Candra they possessed a very valuable property, which in a short time would be made patent to the world.

The SECRETARY answer to a question, stated that they had been delayed in their desired with the prospect of the undertaking. For his own part, he fully believed that in Candra they possessed a very valuable property, which in a short time would be made patent to the world.

The SECRETARY answer to a question, stated that they had been delayed in their results of the same property of the control of the full that they had been delayed in their results by the property of the prope

Mining Correspondence.

BRITISH MINES.

ABERDOVEY.—A. Ede: The ground in the cross-cut in the 42 is hard, and troublesome for driving. The stope in the back of the 32, north of winze, on main lode, its looking well, and producing fauly 134 (no per fin. The stopes out of the before-named winze is without alteration, and produces? In the per fin. The foresting and other departments are in good working order.

ALPRED CONSOLS.—S. Uren, T. Hosking, Aug. 28: The 150, driving east of Davey's engine-halts, on the main lode, produces good stones of ore, but not to value. The north part of the main lode, driving east of Roberts's stope, in the 140, is 1 ft. wide, worth 181, per fin. The south part of the main lode in the 120, driving east of stable and the stable of the 120, driving east of Basic, and the stable of the 120, driving east of Basic, is 4 ft. wide, producing stones of ore. The main lode in the 120, driving east of stable and the stable of the 120, driving east of stable and the stable and

121, per fathom. We have commenced a winze behind this end, down about 4 ft., which has produced 1 ton of good ore for the length of the winze (7 feet). The has been no lode taken down in the ends driving cast and west of the rise, on the sdit tode, since last report. At surface we are engaged laying out drassing-floors. We have had two samples assayed from the western end, on the south lode—one worth 34 per cent. and the other 24 per cent. for copper.

CATHEDRAL.—J. Webb, Aug. 28: I have cleared up a shaft about 18 fms. to the north of engine-shaft, and found in the adit three very kindly lodes. If we had alv to work, I would recommend them all being driven on at one. But for want of sir, what we been able to drive but on one lode, east of cross-course, 2 feet wide—aaving work.

CENTRAL MINERA.—W. Davies, Aug. 28: The new shaft is going down very satisfactorily, and the water does not increase. The cross-cout in the 35 are poorer. We have commenced driving for the great north cross, but the old shaft is much out of repair, and it will take a few days to put all right. We hope to have 10 tons of ore ready by the end of the week.

CHARLOTTE UNITED.—Richard Kendall, John Pemberthy, August 24: The engine-shaft, is within 3 feet of the 80 fathom level; no lode has been taken down since our last report. The lode in the 70 fathom level, east of the engine-shaft, is much the same as last reported—no ore to value. The lode in the 60, east of the engine-shaft, is worth 18, per fms.; the lode in the 60, east of the engine-shaft, is worth and the same as last reported—no ore to value. The lode in the 60, wast of the engine-shaft, is worth and the same as last reported on the consecutive as last reported, but from the present appearances we are of opinion it will make good again aboutly. In the cross-cut is feet and it is very promising to make and the present appearances we are of opinion it will make good again aboutly. In the cross-cut is feet and it is very promising to make and the present appearances whim erected, wh

COLLACOMBE.—S. Mitchell, Aug. 27: The ore ground in the 105,96, and 84 fath wels is being stoped with all possible speed. Since your last general meeting the

COLLACOMBE.—S. Mitchell, Aug. 27: The ore ground in the 105,96, and 84 fathom levels is being stoped with all possible speed. Since your last general meeting there has been no alteration in this mins to notice.

CROOK HAYEN.—It. Thomas, Aug. 26: The western trial shaft is going down in the same channel of ground as last reported. The shaft is thoroughly timbered and secured, which will enable us to go to the 20 without much more expense in timber. When this shaft reaches the depth of 20 fms., I would recommend to intersect the great champion lode on the south, and the gossan lode on the north; both of the lodes are very near the trial shaft. When this is done I doubt not but your property will be greatly enhanced in value. In the 40 west, on south lode, I have directed the mon to cross-cut through it. I was always under the impression that a large portion of it was standing to the north of the drivage; in this I am not disappointed. Since last Wednesday we have cut through it. I was always under the more insert which we have an interest and frisble quartz. This is a very promising lode, and in depth I am confident it will turn out to be rich and lasting: there is every element contained in it to ensure success, in order for the future ventilation at and under the 60 I would recommend a winze to be sunk on this lode, under the 40, to communicate with the engine-shaft at the 60; if this is not done operations will be retarded for want of air under the level alluded to; besides, I have every reason to believe the lode will greatly improve in sinking on its course. In sinking the winze so additional expense will be incurred. The rise in the back of the 60 fm. level, and the winze sinking under the 20 fm. level will, I expect if this is not done operations will be retarded for want of air under the level alluded to; besides, I have every reason to believe the lode will greatly improve in sinking on its source. In sinking on the general work of the mine.

CWM ERFIN.—Aug. 27: The lode in the stopes were the lack of th

cross-cait, the lode is worth 1 ton of ore per m. And lose in the same level yields from 10 to 12 cwts. per fathom. We shall sample, on this day week, 55 tons of lead ore.

DALE.—R. Niness, Aug. 29: The Pipe vein is about the same value as when I last wrote, worth 1801, per fin. During the past week the new shaft has been sunk 6 feet, and is now down from surface 26½ fins.

DEEP LEVEL.—T. P. Thomas, W. T. Harris, Aug. 29: We are extending the level north on the gravel bed, but have not yet got into new ground; weare finding lead ore, but nothing to what we anticipate upon getting into fresh ground. Lankshear's level is extended into the hill about 15 fathoms; we havegot through the bed of shale, and are now in chart, which is of a very promising character, and producing nice strings or faces of lead ore—we are daily expecting a discovery here. We have cleared out the Lake shaft to a depth of 10 fathoms, where we are told we shall find the swallow; we shall be able to say more about this in our next report, but from its situation we may expect to make important discoveries here shortly.

DEVON AND CORNWALL UNITED—T. Neill, Aug. 27: Middle Level: The end, driving sast of croas-cut, on the south lode, is looking very promising, and worth 3½ tons of copper ore per fm. We have no other change to notice.

DEVON NEW COPPER.—P. Hawke, Aug. 28: The end west at the 78 has undergone a slight change; the character of the lode has somewhat improved—more prian is now visible, and the water issues more freely. The leader portion of the lode east, at the 78, is at present about 2 feet wide; it is for this width composed of prian, crystallised mundle, and a portion of yellow copper ore; but the yield of copper is not so plentiful. Every effort is being made to complete the engine-shaft to the 90 fathoms at the earliest momenu.

plentiful. Every effort is being made to complete the engine-shaft to the 90 fathoms at the earliest moment.

DULITA.—J. Martyn, Aug. 27: Butt's lode is split into several branches, but all producing tin, and letting out pienty of water. I think we are getting near Blobard's lode, coming in from the killias. I have set the back of the spar lode to be stoped at 10t, per fathom. Dyer's lode is over 5 ft. wide, very promising for tin, and still improving as samp-heads at work we shall be enabled to pay cost, and return good profits.

DURLO.—R. James, B. Martens, Aug. 29: In the 48, driving west of the Durlo engine-shaft, the lode is improved, laying open tribut ground that will work at 5s. 8d. in 1t. This is the only change since our last report.

EAGLEBROOK.—H. Tyack, Aug. 28: Since my last, I am glad to say, we have had an excellent course of lead ore in sinking the winze from the 10 to the 20, and which is still continuing. The lode in driving the 20 has a most promising appearance, and is all but a course of ore, whilst the lode in driving the 30 west has also a more promising appearance than for some time past. The dressing and surface operations are proceeding satisfactorily.

EAST EFAM.—J. Webb, iun., Aug. 29: The engine-shaft is down 9½ fms.; the

all but a course of ore, whilat the lode in driving the 30 west has also a more promising appearance than for some time past. The dressing and surface operations are proceeding satisfactorily.

EAST BEAM.—J. Webb, jun., Aug. 29: The engine-shaft is down 9½ fms.; the ground continues favorable for sinking, and congenial for tin. The water is increasing, but is well kept by the horse-whim. The engine and pitwork will be ready by the time that we shall require it.

EAST CARN BREA.—T. Gianville, Aug. 28: In the 50, east of the cross-cut, the lode is yielding I ton of ore per fm. In the 40 east the lode is producing 2 tons of ore per fm. In the 40 west the lode is producing 2 tons of ore per fm. In the 40 west the lode is producing 4 tons of ore per fm. The other parts of the mines are without alteration. We have sampled to-day 24? tons of copper ore.

EAST DEVON GREAT CONSOLS.—T. Richards, Aug. 27: Fair progress is being made in sinking the engine-shaft. In the 40 west the lode continues of a very promising character. In the cross-cut south the ground continues very congenial for mineral.

EAST GUNNIS LAKE AND SOUTH BEDFORD.—Wm. G. Gard, Aug. 29: The lode in the 36 east is a very fine cearse of ore, now worth 5 tons, or 30!, per fm. No. 3 winze, in the same level, has improved, and is now worth 2 tons per fm. No. 3 winze is worth 3 tons per fm. The cross-cut south is still in favourable ground for progress. In the 24 east no lode has been taken down since last reported. In the deep adit we continue to drive by the side of the lode. The part of the lode carried in Gard's shaft is looking very promising, and the ground favourable. The cross-cut as of Gard's shaft is looking very promising, and the ground favourable. The cross-cut east of Gard's shaft is looking very promising, and the ground favourable. The cross-cut east of Gard's shaft is looking very promising, and the ground favourable. The cross-cut east of Gard's shaft is looking very promising, and the ground favourable. The cross-cut east of Gard's shaft, in

38, the labels of tender wide, chiefly quarts. In the 34, east of cross-cut, on Trelawny tode, the loe is 3 feet wide, yielding stones of capper ore, but not enough to value. In the 27, west of the cross-course, on Smith's lode, the lode is small and unproductive. In Trelawny fast-red shaft, sinking below the deep adit, the lode is 3 feet wide, producing stones of yellow copper ore.

EAST WHRAL PARMOUTEL.—W. Hancock, Aug. 27: We have cleared up the old shaft to the east of the new engine-shaft about 5 fms. below the surface, and to water; we cannot go any deeper for the present, the water being too much to keep under by manual labour, and so far as seen the former workers have taken away all the lode, where, I have no doubt, they raised a great quantity of fin. I have now put two of the men and two loys to drive the deep adit end east of the new engine-shaft, on the main lode, where I hope soon to meet with a hollow or loose lode that will unwater the eastern ground above the adit level; the adit cross-cut is in advance of the latter shaft towards the new south lode 9 ft.; ground good for progress.

EAST, WHEAL GRENVILLE.—G. R. Odgers, W. Bonnetts, Aug. 23: The lode in the engine-shaft is about 3 ft. wide, producing good work for tin, and 3 tons of ore to the fathom, worth fall 27t, per fm. The lode in the eastern end of the shaft has considerably improved, and it is looking better than for some time, which speaks well we are hourrying on with all dispatch. The lode in the eastern end of the shaft has considerably improved, and its looking better than for some time, which speaks well we are hourrying on with all dispatch. The lode in the cast to the latter fail 17, per fm.

EXMOUTHEL.—J. F. Nicholis, J. Nicholis, Aug. 23: St. The 2 north latter in a promise of the state of the lode of the latter fms.; it is now sufficiently advanced to cut through it, and rise against the winze in the bottom of the 60, which is down 6 fathoms, and in which there is a good lode, but owing to the influx of water we were unable to

ciently valuable to about pay the cost of the cost of sale and can sample about enough to pay cost at the end of next month sales profer one month's sale.

GAWTON COPPER.—G. Rowe, August 24: The lode in the 36 west is not yet cut through, but continues about 3½ ft. wide, being composed principally of spar, mundic, and yellow copper ore; in fact, I consider it a very kindly lode. For the last few days the men have been engaged in taking down a portion which is standing by the drivage, the men have been engaged in taking down a portion which is standing by the drivage, in order to draw the water, which is still dowing very freely from the lode. The rise

and stopes in the back of the same level are yielding ore to the amount of 2 tons per fm.

The pitch in the back of the 50 is producing 2 tons of good quality ore per fm. All other

and stopes in the back of the same level are yielding ore to the amount of 2 tons per fm. The pitch in the back of the 50 is producing 2 tons of good quality ore per fm. All other points of operation are without change.

GON AMENA.—R. Pascoe, W. George, jun., Aug. 28: Having holed the winze from the 80 to the 90, we have resumed the driving east in the 90, where the lode is 1 foot wide, yielding occasional stones of copper ore. We have set a stope in the bottom of this level, which will produce 1½ ton of ore per fathom. In the 90 west no change has taken place since our last report. We have taken the men from the 90 west, on Fitzgerald's lode, to put a stope over the back, where the lode is worth 1 ton of ore per fm. In the 80 the lode has a little improved since our last, and is now producing some saving work. There is no alteration in the 70 to notice. The stope in the back of this level is now set on tribute at 10s. in 11. The stope below the 58 is poor, and suspended. We have four men employed in a stope in back of the 58, where the lode will produce 1 to of ore per fm. Fair progress is being made in the 58 cross-cut south.

GREAT BRIGGAN.—T. Trelease, Aug. 26: Trial shaft is now holed to the shaft is worth 12t, per fm. We have slow commenced to drive the shallow addit level, and the men are engaged cutting plat; the lode in the bottom of the shaft is worth 12t, per fm. We have also commenced to drive the shallow addit level, east of said shaft, sworth 3t, per fm. No lode has yet been seen in the cross-cut south of Oata's shaft. GREAT CRINNIS.—W. Woolcock, Aug. 29: The ground in the new shaft continues favourable for sinking. The shaft is now down 8 fathoms 2 feet below the 110. The ode in the 100 west is without any alteration in its character during the week; it is upwards of 7 ft. wide, composed of peach and a congenial spar, spotted throughout with ore, the leader on the north part being still upwards of 17 it, wide, good saving work. We have gone through a large floor of spar in the 100 cross-cut, whic

inave gone through a large not of spar in the 100 cross-cut, which has let down a porter branch or lode near. In the 90 cross-cut we have cut a branch about 3 inches wide, composed of musicit, peach, and ore, chiefly of the former—a very kindly branch, which are without before the middle lode. The tribute pitches throughout the mine of the provided provided the provided provided the provided prov

about 601, per fm. In the stopes in the back of the 122, east of Ateua engine-sman, and to lot is about 2 ft. wide, and worth 301, per fathom. All our machinery throughout the mine is working very well.

GWYDYR PARK CONSOLS.—Capt. Smith, Aug. 29: We have taken down the lode in the deep adit again this week, which is improved since last reported; it has now made a splice in the middle of the end, and worth 4 cwts. of lead ore per fathom; the lode gone down in the bottom of the level, under the splice, is worth ½ ton of ore per fm.; it is not so good in the back. There is a little water issuing from the end, and it is look, ing more producing than I have yet seen it. I hope we are approaching over ground. HAWKMOOR.—J. Richards, J. T. Phillips, Aug. 27: We have not had the water in fork since June last below the 30; during this time we have been thoroughly repairing the wheels, launders, pulleys, stands, &c., which may now be considered in good working order, and we purpose in a short time to commence forking the water, believing we shall not at the coming season have any scarcity, and that we shall be able to push forward the works without interruption. The objects we have in view principally are, as soon as the water is in fork, to push on the 50 west, 50 west, and 25, east of Rowe's rise, as the most important points here, and the adit level west, at West Hawkmoor. We have had from time to time in the deeper levels very good stones of copper ore, and, taking the size of the lode into account, we have every encouragement to prosecute the mine with energy, which is the best way to arrive at good results. During the dry weather we have been driving the 25, east of Rowe's rise, and, we are glad to say, for the greater distance driven the lode has been a good course of one, worth from 2 to 4 tons per fathom. We, therefore, recommend the most effectual prosecution of the mine, especially westward, where you have such a long piece of ground quite unexplored, and where the chances of discoveries are such as to justify

pecially westward, where you have such a long piece of ground query pecially westward, where you have such a long piece of ground query in the prosecution of the work.

HINGSTON DOWN CONSOLS.—T. Richards, Aug. 27: The lode in the 85 west is improved, now worth full 40f. per fathom; the ground is become very easy for progress also, and I consider it altogether a very important change.

—T. Richards, Aug. 28: The lode in the 85 west is further improved, and will now produce 50f. worth of ore per fathom. The 100 west is very promising, and will produce about 5 tons of ore per fm. No change in any other part of the mine.

HOLMBUSH.—R. Pryor: We are getting on very well in dressing for next sampling, which will be about 260 tons. The 160 west, on Holmbush lode, is improved; the lode is worth 30f. per fathom.

KELLY BRAY.—S. James, Aug. 24: The lode in the 75 east is 2 ft. wide, and will yield 1 ton of ore per fm., worth 5f. 10s. per ton. The lode in the 55 east is 1 ft. wide, producing stones of ore. The tribute department is looking a shade better than it has for some time past.—Eastern Mine: The lode in the 70 east is gradually improving; It is now from 1½ to 2 ft. wide, composed of quartz, fluor-spar, mundic, and stones of copper ore, a very kindly lode indeed. The lode in the winze in the 60 east, which is sinking upwards of 20 fms. in advance of the 70, is worth 20f. per fm. for the length of the winze of 4 ftm. We are dressing ore for the next sampling with all possible dispatch. The prospects of this mine generally, I am happy to say, are looking more cheering than for some time past.

**LADY BEETHA.—J. Metherell, Aug. 26: In the 55 east we are through the cross-count of the same, still

sent end. We are dressing ore for the next sampling with all possible dispation. Ansprospects of this mine generally, I am happy to say, are looking more cheering than for some time past.

LADY BERTHA.—J. Metherell, Aug. 26: In the 53 east we are through the crosscourse, but have not yet cut the lode. In the 53 west the ground is much the same, still driving by the side of the lode. In the 41 east the lode is 1 ft. wide, of mundic and capel. The stopes in back of the same level west are still worth 25l, per fm. We have nothing new to advise you of in the cross-cut in the 30 east. The stopes in be hottom of this level are worth \$3!, per fm. The stopes in back of the same level are worth full 20l, per fm. The stopes in back of the same level west; the lode or part of which we are carrying is 3 ft. wide, worth 3 tons, or 12l, per fm. The 10 fm. level is very much improved; the lode is over 4 ft. wide, of capel, quartz, mundic, and ore, worth of the latter 2½ tons, or full 10l, per fm., and there is every indication of a further advance in value. The tribute department throughout the mine is looking well.

— Capts. Harpur and Metherell, Aug. 29: No change to inform you of in either of the bottom levels. The 53 east is moderately easy for driving. In the 41 east the lode is a present small, carrying mundic and spots of ore. In the 30 east we are just now cross-cutting north, for the purpose of intersecting another portion of the lode, which we suppose is standing in that direction. The stopes in the bottom of the level are producing about the same as usual, worth from 6l, to 8l, per fathom. In the back of this level ter producing about the same as usual, composed of quartz, mundic, and ore, worth of the latter quite 5 tons, or 20l, per fathom. We have just commenced sinking a winze below the bottom of the 30 west, where the lode is about 3 ft. wide, composed of mundic, peach, and ore, worth of the latter 4 tons, or 16l, per fm. In the 10 east the lode presents much the same appearance as when last reported on, compo

LOWER PARK.—W. Davies, Aug. 28: The 20 yard level in Paddock's shaft is still very easy to drive, and looks very promising for lead ore. The office shaft is going down very speed; we are down 23 yards. The rest of the mine is without alteration.

MAUDLIN.—J. Tregay, Aug. 24: Old Mine: The 38, driving east on the north part of the lode, which is very large, composed of pench, spar, mundic, and occasional stones of copper ore. No alteration in any other part of the mine.

MOLLAND.—T. Bennetts, Aug. 27: The lode in the 32 east has within the last day or two increased in size considerably, it being now 4 ft. wide, composed principally of white iron and a little quartz, producing stones of ore occasionally. The small velour ore in the country, referred to in my last, has to all appearance worn out, although the lode is hard and poor, yet I do not altogether dislike its appearance. The lode in the 20 east is small and unproductive at present; the country appears to be retiring more seltied as it gets off from the slide, and hence I think we may with reason infer from this that the lode will be found settled also. The stopes in the bottom of this level are producing 1½ ton of ore per fm. We had a slight breakage of the gear connected with the engine here on Monday, which is sagain put to rights, and the engine working very well.

NANTEOS AND PENERHW.—H. Boundy, W. Paull, Aug. 28: Eystumtean: The lode in the 10 east is large, and yielding good stones of ore. In the 10 west the ground is very spars for driving; the north or most bearing part of the lode has not been taken down since last reported, but we hope to do so before the end of the month, when you

shall be acquainted with its value. The wines sinking below sdit is yielding good stones of ore. The stope in back of adit, and east of No. 3 ries, is yielding 10 cwis, of stones of ore. The stope in back of adit, and east of No. 3 ries, is yielding 10 cwis, of ore per fun.—Rosee's lavel; The stope word of No. 3 ries is yielding 10 cwis, of ore per fun.—Rosee's lavel; The stope word of No. 3 ries is yielding for our of the lock, which is yielding some pretty good ore stuff. In Rows's lavel were the lode is large, composed of mundic, blende, and lead ore; here we expect shortly to mass with a good piece of ore ground, which has been passed through in the upper levels. The stopes in the back of this level are yielding from 8 to 10 cwis, of ore per fathom.—Bwich Gwyn: In the 20 east the lode is composed of mundic, blende, spar, and ore, yielding of the latter about 8 cwis, per fun, with a quantity of water coming these from; this piece of ground will, we have no doubt, eventually prove very remunerative. We have commenced to strip down the lode behind this end, which is yielding about 8 cwis. of ore per fin. Our tribute is without change to notice. The machinery is all in good order, and working well.

NANT-Y-IAGO.—Aug. 27: In the winze sinking under the adit level, east of engine, shaft, I cannot speak of any alteration in the character of the lode, it still yields small quantities of lead ore. In the stope in the 10, west of rise, west of engine, the lode has been taken down, which I find to be rather unproductive for lead ore. In consequence of this I have now removed the men to open on the lode west from top of rise, where, Judging from present appearances, there is every probability of our raising a fair quantities of read with a special production and productive for lead ore. In consequence of this I have now removed the men to special productive for formation in Carry segment appearances, there is every probability of our raising a fair quantity of ore.

NEW CHOW HILL.—Our genue, and seed the seed of the se

quite equal withous and represent depth.

If present depth.

NORTH FRANCES.—F. Pryor, Aug. 24: The engine-shaft is being wall.

If the level, by six men and three boys, at 211. per fm. The lode is 3ft. wide, composed peach, capel, and mundic. This shaft will be down to the 38 against our next setting-sy. Hunt's shaft is being pushed down with all possible speed, and we hope to reach 70 fathom level by the end of next week, when we shall at once commence to case and wide down the shaft from the 60, and get ready for driving the 70. The lode in the haft is 2½ ft. wide, and producing a little ore, but not enough to value. The lode in the haft is 2½ ft. wide, and producing a little ore, but not enough to value. The lode in the haft is 2½ ft. wide, composed of spar, quartz, and mundic, with any. There is sum; is using pushed down with all possible speed, and we hope to a 70 fathom level by the end of next week, when we shall at once commence to divide down the shaft from the 60, and get ready for driving the 70. The lode shaft is 2½ ft. wide, and producing a little ore, but not enough to value. The the 60 end, east of Hunt's shaft, is 2 ft. wide, composed of spar, quartz, and mund sprigs of grey copper ore. No alteration to notice in the 60 end, west of Hunt's since last report.

smath 18 2/3 it. wite, and producing a third ore, out not choosing twitter. The look in the 60 end, east of Hunt's shaft, is 2 ft. wide, composed of spar, quartz, and mundle, with sprigs of grey copper ore. No alteration to notice in the 60 end, west of Hunt's shaft, since last report.

NORTH JANE (Truro).—C. R. Webb, Aug. 27: The various rich discoveries of tin recently opened in this mine continue quite equal in value to that reported on last week, and everything is being prosecuted with the greatest energy.

NORTH JANEY.—R. Rowe, Aug. 27: I have now returned from North Laxey, and am unable to report any change of note since my last. The new shaft is down 3 fms, below the 27: the lode is about 3 ft. wide, chiefly soft gossan, and carrying two leaders of ore, together about 6 inches wide; to all appearance the shaft will now go down rapidly, and open out good ore ground.

NORTH MINERA.—T. P. Thomas, W. T. Harris, Aug. 29: We have resumed sinking the eastern shaft on Fugh's lode, and we hope soon to find a continuation of our present course of ore. We intend resuming also the engine-shaft, as it is desirable for us to get into the limestone stratification, as well as to open another level below our 33, and thereby enable us to prove the flat seen in the bottom of the cross-cut south. At Wilson's shaft we are driving north on the course of the lode, which is looking as well as ever, and will produce from 1½ to 2 tons of ore per fathom. We are also opening westward on the flat, or rider, of the lode, which is producing five branches of solid lead; this shaft, which we are sometimes rich than at others, it is difficult to estimate the produce per fathom until the ground is broken. The flat at Pugh's, west of Williamson's winze, is producing some fine lead, worth about 2 tons per fm. The new branch south we have not yet opened upon, as we have commenced a stope above it, in order to break the ground in the most economical manner possible. The stope west of Charles's shaft, which we are at present only carrying as a

In an of opinion that when this property is fully developed it will prove reminerative to the proprietors.

NOPTH WREY.—T. Kemp, Aug. 29: The lode in the main shaft is looking better than ever. It is 2 ft. wide, composed of flookan, prian, soft fluor-spar, strong mundle, and quartz, spotted with both lead and copper ore. I consider the lode here to be of a very promising character, and it improves as the shaft goes down. The ground is flevourable for opening, and we are making good progress, but the water is rather troublesome to draw with barrels. It is most unfortunate that our water-power fell off just at this time, as a very little while would have enabled us to have got the cross-cut sufficiently under the new shaft to have eased or let down the water. We are getting on as fast as possible with the enlargement of the pond, and it will be completed in a few days. I sent you on Monday, by rail, a sample of the lode broken from the 38 cross-cut, which on examination will fully prove all I have said of its prolific character.

OKEL TOR.—W. B. Collom, Aug. 29: In the 80 the lode continues to improve, being composed of a beautiful quartz, and yielding 5 tons of ore to the fathom. The the bottom of the fow ill also yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will also yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will also yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will also yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will also yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will now yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will also yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will now yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will now yield 10 tons of ore to the fathom. The stopes in the bottom of the 60 will now yield 10 tons of ore tothe fathom. The stopes in the botk of the 50 have been let on tri

will now yield 10 tons of ore to the fathom. The stopes in the back of the fevel, which will now yield 10 tons of ore to the fathom. The stopes in the backs of the 50 have been let on tribute, the tributers paying all expenses. In the other parts of the mine there is no alteration to report.

PANT-Y-PYDEW.—R. Nankivell, Aug. 29: The end driving in the 54, west of whimshaft, has much improved; the lode is 2 feet wide, composed of spar, flockan, and lead ore; we have no doubt but what we shall make good discoveries in driving west. In the 54, east of whim-shaft, on the south lode, the lode is from 3 to 4 feet wide, composed of grit, carbonate of lime, and good stones of lead ore.

PEDN-AN-DREA.—W. Tregay, T. Delbridge, J. Thomas, Aug. 24: Engine-shaft: The lode in bottom of the shaft is all the breadth of the shaft, 7 ft., and no wall, with occasional stones of tin. In the 110 east the lode is all the breadth of the end, and no wall, with occasional stones of tin. In the 110 east the lode is all the breadth of the end, and no wall, with occasional stones of tin. The 100 east end is poor. The stope in bottom of this level is worth 60ℓ, per fathom. In the 50 west end the lode is poor. The 90 rise is worth 350, per fm. The 60 west, on Skimmer's lode, is worth 51, per fm. Street and Bragg's: In the 47 east we hope to finish the cutting, and bring in tram-road by end of the coming week. The 40 east end is worth 430; her fm. No other change to report. PENHALDARVA.—S. A. Pope, Aug. 28: In the 60 north the leader part of the lode sa about 18 in. wide, composed of soit spar, mundic, prian, and spots of lead. In the 60 south the leader part is about 10 in. wide, and spotted with lead.

PENHALLS.—R. Pryor, Aug. 24: Setting Report: Penhalls Lode: The engine-shaft to sink below the 30, by six men, at 24ℓ, per fathom; lode 2 feet wide, producing stones of tin, but not to value, it being at present disordered by the gossan. The 30 to drive east of this baft, by two men and two boys, at 64. Per fathom; lode split into two parts,

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688 wither level to the overy much, and the ground very good. Towards the set also to every much, and the ground very good. Towards the south side is a natural break to the overy much and the ground very good. Towards the south side is a natural break towards the ground very good very

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the

without change to notice. The surface and all other operations are going on much the same as usual.

SOUTH WHEAL BETSY.—Wm. Stephens, Aug. 27: The branch in the cross-cuts borth is from 9 to 10 in. wide, composed of white front, heade, mundic, and spots of copper or, and some spots of lead. The ground in the south cross-cut is just as it has been for some spots of lead. The ground in the south cross-cut is just as it has been for some spots of lead. The ground in the south cross-cut is just as it has been for some spots of lead. The ground in the south cross-cut is just as it has been for some spots of lead. The ground is the south cross-cut is just as it has been for some down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it I flust. At LTM (Leiant).—Suc Mitchell, Jun., Aug. 27: Webb's shaft is now down it in the south saids and the produces 3 cwis. 2 cw., 2 cw.

proved this week, where we have a good branch of grey ors, worth 51, per fathors. No. 2 winze, sinking below the 48, is sunk 8½ fathoms; no inde taken down this week, but we hope to communicate this winze to the 58 next week, when we shall take down the lode and report its character. In the two cross-cuts driving north and south there is no alteration since last report.

Wileal AGAR.—W. Roberts, Aug. 28: The following tutwork bargains were set on Fridgy lest:—A cross-cut to drive south in the 90 by six men, at 12; per fan. The 90 to drive east by six men, at 62; the 80 west by four men, at 12, per fan. The 90 to drive east by six men, at 62; the 80 west by four men, at 12, per fan. The 90 to drive east by six men, at 64; the 80 west by four men, at 47, per fan. The 90 to drive east by six men, at 64; the 80 west by two men, at 64, per fan. The 90 cross-cut north by four men, at 67, loss, and the stope in men, at 71, per fan. The 90 cross-cut north by four men, at 67, loss, and the stope in the back of the 80, 4 tons of ore per fan. There were also four pitches set to twelve men, three at 10a, the other at 12a, ln 14. Copper ores sampled yesterday (computed) 61 tons. WHEAL AETHUR.—Aug. 77: Old Lode: The lose in Burley's stope, in back of the adit west, east of boundary cross-course, is very much improved; the lode is 4 ft. wide, yielding 2 loss of ore per fathorn, and likely for a further improvement. The lode in Patient's stope, in back of the adit west, east of boundary cross-course, is very much improved; the lode is 4 ft. wide, yielding 2 loss of ore per fathorn, and likely for a further improvement. The lode in Patient's stope, in back of the adit west, so it is simply a stope and the stope of the following bargains were set:—The 60 east by two men, at 37, liss per fathorn. We have driven by the men, at 32, liss per fathorn, we have driven by the week at 10 to 10 to

is 2 ft. wide, worth 10f. per fm. Our engine is working well, and very little water. WHEAL HOPE.—W. H. Keynol-is, 402, 28: In the law shall take down the lode this evening, having been driving by the side of it for the last 6 ft.; when last take down the lode this evening, having been driving by the side of it for the last 6 ft.; when last taken down it yielded excellent stones of silver-lead, and we sepect a good improvement. We have cased and divided the shaft to the 14, and the water we hope will be out of the 28 in three or four days more.

WHEAL LUDGO fact the shaft is 2½ feet wide, and will produce 12 cwts. of lead per fm.; in the same level south it is 3½ feet wide, and will produce 2 cwts. of lead per fm.; in the same level south it is 3½ feet wide, and will produce 5 cwts. of lead per fm.; in the same level south it is 3½ feet wide, and will produce 5 cwts. of lead per fathom. The stopes in the back of this level will produce 5 cwts. of lead per fathom. In the 70 north it is 2 feet wide, and will produce 5 cwts. of lead per fathom. The stopes in the back of the 60 will produce on an average 6 cwts. of lead per fm. The stopes in the back of the 60 will produce on an average 6 cwts. of lead per fm. The stopes in the back of the 60 will produce on an average 6 cwts. of lead per fm. The stopes in the back of the 88 fm. level, where we shall at once commence to cut the plat. We sold on Thursday last 80 tons of lead or to Messrs. Sims, Willyams, and Co, at 177. 5. ed. per to. We shall sample a parcel of from 2 to 3 tons of good silver ores prior to our next usual sampling of lead ore.

WHEAL MARGERY.—R. James, J. Benbow, W. Rogers, Aug. 28: At Wellesly's engine-shaft, sinking below the 90, the lode is large, yielding low quality ore, but of shall small speed. The thologe shall dively appearance. No change in their of the one has bout this shaft since our shall dively appearance. No change in their of the one has bout this shaft since our shall dively appearance. No change is the shall shaped. The thologe sha

of which on the west side is good saving work for lead, and the remainder chiefly flookan, a very promising lode. We have not yet intersected the lode in the cross-cut, west of engine-shaft, but the ground is changing for the better, and letting out more water. The wheel and pitwork are in good working order.

— W. Tregay, Aug. 20: The lode lately intersected by the cross-cut in the 17, and on which the whim-shaft has been sunk, is diverging, going south from the lode on which the level was driven; consequently you must nave a junction of both lodes a little further north; indeed, I believe that in the upper part of the whim-shaft they must be together, the eastern leade being nearly perpendicular, and the western or new lode underlying a little west. Whether this be a distinct lode, or, as we often see with lead lodes, a mere limb of the same, remains to be proved; I am inclined to take it as a distinct lode, as it possesses different characteristics. This new lode is a very promising one for the production of lead; the best, I think, that I have seen in the district, and contains good apgis and stones of lead; but so far as yet seen it is not very productive, although I believe driving a little further north will lead to improvement.

WHEAL SIDNEY.—W. Edwards, Aug. 29: The ground in the 69 cross-cut, at new engine-shaft, has been a little stiffer for driving, having met with some branches of spar; but within the least few days it has become more favourable. We have not yet reached the south or main lode; it is evident by the disling the lode has taken a more perpendicular dip from below the bottom of the old mine. In the old mine there is no change of importance to notice.

WHEAL UNITY CONSOLS.—W. H. Reynolds, Aug. 28: In the 75 cross-cut north the ground is favourable for driving, and congenial for copper ore. The water is increasing, and we do not know to a day or two how soon we may cut the lode. At the adit it yielded hundreds of pounds worth of tin and copper, and has not been seen below that point. All

a cal 60% been Gress Vall 2000 shar and 30s. Tres R near the

371: Mar declar 1 value ore lode ant 12s. lised The again Kell ore, work equilibrium ore war. Ram to 5 Wh

we have a great many tons to take away. The 30 east, on this lode, is still poor, but today we have a change of ground in the end, which I hope will lead to good results. In
the shallow adit we have gone through what I call the lode; it is about 4 ft. wide, with
two good fookan courses on each wall; the composition is killias and spar. The water
is in fork to the 80 fm. level, and we have spars water enough for crashing. We shall
have above 100 tons to sample out Thursday, and have on the mine from 20 to 30 tons
towards the next sampling.

— R. Barkell, Aug. 37: South Lode: Thomas's stope, east of shaft, is worth 4½ tons
per fathom. Rodda's stope is worth 4 tons per fm. The 30 west is producing 3 tons per
fathom. No lode has been taken down in the 20 west during the week. The stope in
back of the 30, on the north lode, will yield 3 tons per fm.; in driving east; in this level
we have cut a stream of water, which we consider a favourable indication; the lode is
9 ft. wide, with stones of ore in it, more than we have seen for some time past. No lode
has been taken down in the 20 east since last report. We have above 100 tons to sample
on Thursday next, the 29th inst., and have on the mine about 30 tons towards the next
sampling.

pring.

R. Barkell, Aug. 27: Thomas's stope is further improved, now worth 5 tons per me. All other places the same as when I wrote on Saturday, with the exception is 30 east, on the north lode, where we have out a stream of water, and the lode is ing a little more promising.

GOVERNMENT MINE INSPECTION.

GOVERNMENT MINE INSPECTION.

The East Scotland District.—Mr. Williams reports that it is satisfactory to notice that there is a decrease upon the aggregate number of accidents, as compared with the preceding year, amounting to upwards of 16 per cent., whilst the quantity of coal raised is much about the same—5,100,000 tons. There was only one explosion of fire-damp, which caused the death of one person; this was at the Omoa Ironworks, by a drawer having gone into an abandoned unfenced working with a naked lamp, and ignited a small quantity of inflammable gas; he was but slightly burned, and was enabled to walk home, but died in 10 days after. Of the accidents from falls of roof and coal 16 happened near to the face of the working (within what is termed the limits, which are more particularly under the care of the workmen themselves); the other 4 occurred on the drawroad, which is under the care of the colliery owners or their overmen. This description of accidents cannot be well guarded against by the underground managers and overmen; therefore, great precaution is required on the part of the workmen, for in addition to the slips, smooth backs, and joints that are visible, there are many that are only seen after the coal or roof has fallen. Of the seven shaft accidents, five were from causes beyond the control of the parties in charge, and the other two from hatches being pushed into the wrong division of the shaft while the cage was at the bottom. It has been his constant practice to recommend the adoption of self-acting guards for fencing the pit when the cage was not at the top.

self-acting guards for fencing the pit when the cage was not at the top.

The West Scotland District.—Mr. Alexander considers that although the number of explosions is not in excess of the average, it is not quite satisfactory, and with few exceptions might have been averted. It would very much aid in preventing such accidents if the workmen were more determined to see the special rule required to be carried out by the fireman always observed, and in no case to go to their work natil the fireman has completed his examination. In general the employer provides for the inspection of the works by the appointment of a fireman, and the special rule referring to the fireman's duty makes it incumbent upon him to examine the works before the workmen are allowed to enter them. There is only one safe way in which the fireman can carry out this important rule, and that is by preventing the workmen from leaving the pitportant rule, and that is by preventing the workmen from leaving the pit-head till after he has completed his examination. When the arrangements are otherwise, Mr. Alexander finds that a certain laxity creeps in, the dis-cipline relaxes; the workmen in a particular district supposed to be safe are otherwise, Mr. Alexander finds that a certain laxity creeps in, the discipline relaxes; the workmen in a particular district supposed to be safe may occasionally be allowed to go into their working places before the fireman has completed his inspection, or, what is the same thing, have not been checked for doing it; or the fireman may occasionally be behind his usual hour, and the workmen, impatient, may have entered in to their work, and this very reprehensible system may have been carried on for months or years, till some unfortunate morning, by the derangement of an air-course, stopping, or trap-door an explosive mixture is formed in a working place, an unprotected light is carried into it, and the poor unsuspecting victims are hurried into eternity. The engineman should be strictly prohibited from lowering any person into the works till after the fireman has made his examination, and intimated by signal that the workmen may be lowered to their work.

to their work.

However hopeless the prevention of accidents from falls of coal and roof,
Mr. Alexander considers that they may be checked, by carefully placing
wood plentifully along the working places; it is principally there where
falls take place, comparatively a small proportion happens in the formed
roadway of the mine, and the average for the last five years does not exceed 5 per cent. The accidents in shafts have increased considerably, and
exceed that of any former year; properly speaking a very small proportion
of these can be termed accidents, and of the 15 lives lost nearly three-fourths
were occasioned by the recklessness and neglect of the sufferers themselves. were occasioned by the recklessness and neglect of the sufferers themselves or by the inattention of the engineman. The miscellaneous accidents are not specially commented upon

The safe and economical working of mines depends very much upon the ability of the person entrusted with the management, and any scheme, the object of which is to raise the standard or qualifications of underground managers, cannot but have a beneficial effect upon mining generally. Mr. Alexander concludes his report by referring to the successful examination in November last of the students at the Glasgow School of Mines, and the report of the committee of that institution; an abstract of which was published in the Mining Journal of Nov. 24.

CORNISH PUMPING-ENGINES.—The number of pumping-engines reported this month is 28. They have consumed 2231 tons of coal, and lifted 16.8 million tons of water 10 fms. high. The average duty of the whole is, therefore, 51,200,000 lbs. litted 1 ft. high by the consumption of 112 lbs. of coal. At Dolcoath, they stop stem times, and some heads have been idle. At Carn Brea, a pair of rolls are worked to crush the samples

From the proceedings of the Cuddra meeting, on Thursday, which are detailed elsewhere, it will be seen that the development of this property is progressing satisfactorily—that the whole of the machinery is all but complete, and that from the present time returns will be made. By the report of Captains Puckey and Dunstan (of Par Consols) it appears that in the 60 fm. level they have a lode of an excellent character, and in addition to its richness being nearly three times as large as an ordinary lode, it is condiently expected that it will produce satisfactory results. There can be no doubt that the proprietors, by making a call more than sufficient to liquidate the claims against the company, have adopted the most politic course; and as the future costs will be materially reduced, and regular returns made, it may fairly be considered that the position of this undertaking will shortly be in every respect satisfactory to all connected with it.

GOLD EXTRACTION.—An invention, the object of which is to effect the eparation of particles of gold from quartz and earths, by bringing mercury in contact herewith, has been provisionally specified by Mr. Sloper, C.E., of Hackney. The mahinery consists of a hopper, opening at bottom into a cylinder, placed horizontally or early so, and fitted with agitators, secured to a vertical shaft, made to revolve in the opper; inside the horizontal cylinder he places and causes to revolve an archimedean crew, and on the screw he fixes an agitator, which revolves with it. At the opposite of of the cylinder to that at which the hopper is placed he fits a vessel containing mercury, and which fluds its way by a zigzag channel into the cylinder; he carries a pipe om the bottom of the mercury vessel, bends it upwards, and leads it into the hopper, he cylinder, mercury vessel, and hopper are charged with mercury, and the crushed re, which is fed into the hopper, and made to pass through the incremy by the rotation the serve. The waste after passing up through the zigzag pipe is carried of through the spread of the purpose.

COATING METALS.—Messrs. Bayley and Mincher, of Birmincham, pro-

penings provided for the purpose.

COATING METALS.—Messrs. Bayley and Mincher, of Birmingham, propose to coat metals or alloys with lead, or lead alloyed with copper. The sheet is scaled
ad pickled, and then removed to a second bath containing muriatic acid, lead, and arsele. In coating copper, zine, or alloys, the process would be the same, with the exception
that the scaling in is different, aquafortis being used. Upon the same day the same
mildemen patented a process for effecting the same object by means of electricity.

TREATMENT OF CARBONACEOUS MATTERS.—Mr. W. M. Williams, of
andsworth, has patented an invention which consists in subjecting coal and other biuninous minerals and peat to destructive distillation under pressure, whereby the proordino of uncondensable gaseous hydrocarbons is diminished, and the proportion of patfine oil and other solid and liquid hydrocarbons is increased, compared with the products
takined when no pressure is employed.

cortion of uncondensable praffine oil and other solid as

DRESSING STONE.—Mr. J. W. Graham, of Manchester, provisionally secified an invention, which consists in providing above the stone to be dressed a series chisels, supported in suitable framing. The framing may be moved in any direction, di motion is given to the chisels by cranks. By this arrangement the stone may be it, chipped, and dressed to any required form.

LUBRICATING COMPOUND.—Mr. C. N. Leroy, of Paris, proposes a compound of tallow, 252 parts; good subricating oil, 333 parts; goda, 14 parts; potash, 12 parts; and water, 339 parts. The potash is first dissolved in the water, the soda is then introduced, and, finally, the oil and tallow are kneeded with it:

DRAWING PENCILS.-Mr. B. S. Cohen, whose lead pencils are so well and favourably known, has produced an article from pure Cumberland lead which will commend itself, we think, to artists and draughtsmen everywhere. The lead, first re-duced, in a large quantity, to an impalpable powder, is levigated and afterwards drawn while in the plastic state, into long stems of a perfectly uniform density and texture, and which, so from having the excessive britteness of the ordinary lead, are almost as Government School of Mines, Jermyn Street

GOVERNMENT SCHOOL OF MINES

SIT RODERICK IMPEY MUNCHISON, D.C.L., M.A., F.R.S., &c.

During the Seasion 1881-2, which will COMMENCE on the 7th October, the follow
COURSES of LECTURES and PRACTICAL DEMONSTRATIONS will be given:

1. CHEMISTRY BY A. W. HOPMANN, LL.D., F.R.S., &c.

2. METALLURGY BY JOHN PERCT, M.A., F.R.S., &c.

3. NATURAL HISTORY BY T. H. HUXLEY, F.R.S.,

4. MINIERALOGY BY BY T. H. HUXLEY, F.R.S.,

5. MINING BY BY WALKEYON W. SEYTH, M.A., F.R.S.

6. GEOLOGY BY A. C. RAMSAY, F.R.S.

7. APPLIED MECHANICS. BY R. WILLIS, M.A., F.R.S.

8. PHYSICS. BY R. WILLIS, M.A., F.R.S.

under the direction of Art. Assume section of Dr. Percy.

Tickets to separate courses of lectures are issued at £1 10s. and £3 each.

Officers in the Queen's service, Her Majesty's Consuls, acting mining agents and managers, may obtain tickets at reduced prices.

Certificated schoolmasters, pupil teachers, and others engaged in education, are also

Officers in successful and a radiced prices.

Certificated schoolmasters, pupil teachers, and others engaged in education, are made in the lectures at reduced fees.

His Royal Highness the Prince of Wales has granted Two Exhibitions, and others have also been established.

Iso been established.

TRENHAM REEKS, Registrar. For a prospectus and information, apply at the Museum of Practical Geology, Jestreet, London.

TRENHAM REEKS, Regist

Miner's Association of Cornwall and Devonshire.

MINER'S ASSOCIATION OF CORNWALL AND DEVONSHIRE.—It is PARTICULARLY REQUESTED that ALL PAPERS OF COMMUNICATIONS intended to be brought before the Miner's Association at the annual meeting, appointed to be held at Falmouth, on the 18th of September, BE SENT BEFORE the 10th of SEPTEMBER, to the general honorary secretary, Robert Holyt, Portreath, near Redruth.—August 28, 1861.

CONTRACT FOR WELSH COAL.—The Directors of the SOUTH-EASTERN RAILWAY COMPANY are PREPARED to RECEIVE
TEXDERS for the SUPPLY of TEN THOUSAND TONS of WEISH COAL, suitable for locomotive purposes, to be delivered on to the company's line at Reading. Tenders to be sent in on or before Wednesday, the 18th September next, endorsed "Tender for Coal," addressed to the undersigned.

London Bridge Terminus, August 23, 1861.

BOROUGH OF LIVERPOOL,

TENDERS FOR SUPPLY OF STONE.—The Health Committee TENDERS FOR SUPPLY OF STONE.—The Health Committee
of the Borough of Liverpool are willing to RECEIVE TENDERS for the SUPPLY
of STONE for PAVING and for CHANNELS, CURBS, and CROSSINGS, as also for
FLAGGING the POOTWAYS of the BOROUGH.
Full particulars as to the quantities likely to be required, and all other information,
together with form of tender, may be obtained on application by letter to James NewLANDE, Eag., Borough Engineer, Public Offices, 2, Cornwallis-street, Liverpool. The
committee do not bind themselves to accept the lowest or any other tender.
Tenders, sealed and endorsed "Tender for Stone," addressed Health Committee, to be
delivered at the office of the Town Clerk, as under, on or before the 14th of Sept. next.

By order, WM. SHUTTLEWORTH, Town Clerk,
Public Offices, Cornwallis-street, Liverpool, August 5, 1861.

REAT WHEAL MARTHA MINE (LIMITED):

STOKECLIMSLAND.—TENDERS will be RECEIVED at the above mine on or before the 10th Sept. next, for the SUPPLYING the following MATERIAIS, viz.:—

CANDLES, at per dozen.

NAILS, from 2 to 6 in., at per cwt.

CANDLES, at per dozen,
POWDER, at per ton.
SAFETY FUSE, at per 100 coils,
POWDER CANS, at per dozen.
RAPE OIL, at per gallon.
COMMON OIL, at per gallon.
RUSSIAN TALLOW, at per cwt.
ANTI-FRICTION GREASE, at per cwt.
hated August, 1861.

HEMP and PACKING, at per cwt.
ENGINE COALS, at per ton.
LEATHER, at per ib.
SHOVELS, steel points, at per cwt.

WILDBERG GREAT CONSOLIDATED MINING WILDBERG GREAT CONSOLIDATED MINING COMPANY—PUBLIC SALE.—The MINING PROPERTY, SMELTING WORKS, and other EXTENSIVE ESTABLISHMENTS, together with the whole of the TOOLS, PLANT, and APPLIANCES belonging to the above company, containing, with the grants attached to them, about 117 acres (Morgen) will be exposed at PUBLIC SALE to the highest bidder, at Cologne, on Monday, September 16, 1861, by the undersigned notary, Mr. Eglinger, at his office, No. 4, Bichmond Strasse.

The mines, including a large number of consolidated concessions, are situated at Wildberg, about 10 German miles from Cologne, and within 4 miles (German) from a station on the railway opened between Deutz (Cologne) and Wissen.

The company has expended more than £40,000 storling in sinking shafts, in explorations, in the purchase of machinery, and in the erection of smelting works. The whole has been arranged with the most modern improvements, and is in excellent condition. The machinery on the mine is capable of draining it to an additional depth of at least 50 ims., whilst the smelting works are calculated to treat from 250 to 300 tons of lead ore per month. There is also ample house accommodation for the miners and workpeople situated on the property, and belonging to the company.

The silver-lead mines of Wildberg are among the most extensive and important in Germany, and have produced lead and silver to the value of £5,000 sterling during the three last years of working.

For further particulars, apply by letter, post paid—in London, to Messrs. Phillars and Darlindrons, at the company's office, No. 26, Gresham-street, E.C.: or to Messrs. Amory, Travers, and Smith, Throgmorton-street, E.C.: , and at Cologne, to the office of the undersigned notary.

Cologne, August 12, 1561.

EDWARDS'S PATENT MINERAL ORE AND COAL WARHING MACHINE.—This is by far the MOST ECONOMICAL, both in cost and in working, as well as the MOST DURABLE and EFFICIENT MACHINE machine, capable of washing from 25 to 50 tons per diem (according to quality), \$75.—Full particulars, testimonials, &c., may be obtained from E. Edwans, Eaq., C.E., Beaufort-buildings, Strand, London.

CREASE'S PATENT EXCAVATING MACHINERY for SUPERSEDING the SLOW and EXPENSIVE USE of MANUAL LABOUR IN SINKING SHAFTS, DRIVING LEVELS, TUNNELLING, &c., can now be supplied to the public. The machinery is guaranteed to drive through any rock at a minimum rate of 1 fm. per diem, and to sink shafts at the rate of 2 fms. in three days.

Applications to be addressed to Mr. George T. Curtis (sole agent), 17, Gracechurch-treet London, E. C.

Freet, London, E.C.

By providing the power of calculating the time and cost to explore a certain depth and extent of ground, speculation in mining will be assimilated to commercial pursuits, rith this unmistakable advantage—that when the ground has been once carefully and adiciously selected, and operations properly and systematically carried out for its deelopment, there would be far less chance of unsatisfactory results than are met with y merchants and manufacturers in the usual routine of their business. As this important invention must beneficially interest the landowners, mine proprietors, merchants, and miners, we opine it will meet with immediate adoption.—Mining Journal.

chants, and miners, we opine it will meet with immediate adoption.—Mining Journals.

M P O R T A N T T O M I N I N G

SMYTH AND WASLEY'S MACHINERY FOR SPALLING AND

SEPARATING THE ORE FROM THE STONE, &c.

A NEW and USEFUL MACHINE, termed a "PREPARATOR." has recently been patented by Messrs. SMYTH and WASLEY, having for its objects the SFALLING and SEPARATING the ORE FROM THE STONE, and FORMING it into PROPER SIZES for PICKING, JIGGING, CRUSHING, &c., according to the nature and quality of the stuff. The construction is simple, and the machine can be erected in connection with other machinery, as diving-power, for about £15 per hammer. Two, three, four, or any other number of hammers may be had, as required. Four of from 4 to 5 cwts. each will break about 1000 tons per month.

This invention well deserves public notice, as it will decidedly effect an economy of 70 per cent. over manual labour, together with a great advantage in the dispatch of work, performing it far better than any other mode yet introduced; and several practical gentlemen who have seen it at work at the Coed Mawr Pool Mines fully corrobariate the above statement.

work, performing it has better than any the cool Mawr Pool Mines fully corrobo-rate the above statement.

The charge for patent right will be on the most advantageous terms. The larges mine in the kingdom may exercise its full use at £5 per month, and the charge to be reduced proportionately, according to the magnitude of the works; or the patent may be sold off to each mine, district, or county, as might be agreed on.

For further narticulars, apply to Messrs, SMYTH and WASLEY, Cool Mawr Pool Mine

For further particulars, apply to Messrs. SMITH and Washer, Cood Mawr P Llanrwst, North Wales. The model may be seen at the offices of Gro. I. Sor 254, Bucklersbury, E.C., London. Ep. Ess.

MPORTANT TO ROAD CONTRACTORS. MFORTANT TO KOAD CONTRACTORS.

EFFICIENT AND ECONOMICAL STONE-BREAKING MACHINERY.

A NEW and USEFUL MACHINE has recently been patented by Mossrs. SISTIN and WASLEY, of the Coed Mayer Pool Mines, which is WELL ADAPTED for BREAK. ING STONES FOR THE ROAD; the construction being simple, and the machine being worked either by steam or water-power, and in connection with other machinery, as driving power. It can be erected at an outlay of £15 per hammer, any number being adapted, as might be required. Four hammers of 4 cwts. working daily are calculated to break 1000 tons of stone per month, and one man and one boy can serve it and also keep it clear.

to break 1000 tons of stone per month, and one man and one boy can serve it and also keep it clear.

This machine is well deserving public notice, as it will decidedly effect an economy of 70 per cent. over manual labour, and will prepare the stuff far better than by breaking with ordinary hammers, forming it into proper sizes for coating the roads; the first size being large pieces, to lay over the rough parts; and the second size being small pieces, which will form a smooth surface for the carriages, give excellent "bond," and prove air more durable than rough, lumpy stone-roads, which soon become like powder and wash off with rain. There is also material advantage in the dispatch of the work.

Several practical gentlemen who have seen the machinery at work at the Coed Mawr Pool Mines, near Lianuwst, North Waies, can corroborate the above statement. They highly approve of the stuff which was recently broken by this newly-invented machinery and laid over the road.

The charge for the patent right will be on the most advantageous terms, to be paid quarterly; or the right can be sold off to each county or district, as may be agreed upon. For further particulars, apply to Messrs. Surray and Washart, Coed Mawr Pool Mine.

Lianuwsi, North Wates. The model may be seen at the offices of Geo. I. Surray, Edg., 262, Backlernbury, E.C., London.

WALKER'S STAMPING MACHINES AND STEAM ENGINES, for REDUCING ALL KINDS of MINERAL ORES to IMPAL-PABLE POWDER, have been in use for these last ten years in all the leading mines of the United Kingdom and the Colonies of the British Empire; as have also his PATENT PUMPS and WATER LIFTS, and for scoonary of working and durability cannot be equalited. MANUFACTORY, 17, COWPER STREET, CITY ROAD, LONDON.

D

The Mining Market; Prices of Metals, Gres, &c.

METAL MARKET-LONDON, August 30, 1261.

COPPER. £ s. d.	BRASS. Per. 1b.
Best selectedp. ton 101 0 0	Sheets 8%d9%d.
Fough cake 98 0 0	Wire 94d
file 98 0 0	Tubes 101/4 Toles
Burra Burra 98 0 0-98 10 0	Tubes 10 4d10 4d.
	POREIGN STEEL. Per Ton.
	Swedish, in kegs (rolled)
Copper wirep. lb. 0 1 01/6	(hammered), 14 10 0-
ditto tubes " 0 1 1	Ditto, in faggots 15 10 0
heathing & bolts " 0 0 11	Profice Carles
ottoms n 0 1 0	English, Spring 18 0 0-23 0 0
old (Exchange) " 0 0 91/4	Bessemer's, Engineers Tool 44 0 0-
race. Per Ton.	" Spindle 30 0 0
Sars, Welsh, in London 6 5 0	QUICESILVER 7 0 0 p. bottle
Ditto, to arrive 5 17 6	SPELTER. Per Ton.
Soll made	Foreign 18 2 6-18 5 0
Stafford, in London 7 0 0-	To arrive 18 5 0
Bars ditto 7 10 0-8 0 0	zino.
Icops ditto 8 10 0	In sheets 24 0 0
heets, single 9 0 0- 9 10 0	
Pig, No. 1, in Wales 3 0 0-4 0 0	Westleb blocks
Refined metal, ditto 4 0 0-5 00	English, blocks117 0 0-
Bars, common, ditto 5 0 0	Ditto, Bars (in barrels)118 0 0
Ditto, merchant, in Tees 6 10 0	Ditto, Refined
Ditto, railway, in Wales 5 0 0-5 26	Banca
Ditto, Swed. in London. 10 5 0-11 0 0	Straits
To arrive 10 10 0	TIN-PLATES.*
Pig. No. 1, in Clyde 2 8 0- 2 10 0	IC Charcoal, 1st qua. p. bx. 1 8 0-1 p a
Ditto, f.o. b. in Tees	IX Ditto 1st quality 1 14 0- 1 15 0
Ditto, forge, f.o.b. in Tees	IC Ditto 2d quality " 1 46-1 66
Staffordshire Forge Pig. 3 10 0- 3 12 6	IX Ditto 2d quality 1 11 0- 1 13 0
Welsh Forge Pig	IC Coke 1 16-1 26
The state of the s	10 COMB 1 1 0-1 26
LEAD.	IX Ditto " 1 76-1 90
English Pig 19 5 0-21 10 0	Canada platesp. ton 12 10 0-13 0 0
Ditto sheet 20 10 0	In London; 20s. less at the works.
Ditto red lead 22 0 0	Yellow Metal Sheathing . p. lb. 9d91/d.
Ditto white 28 10 0-30 0 0	
Ditto patent shot 23 0 0-24 0 0	Indian Charcoal Pigs 6 12 6- 6 15 9
Spanish 18 10 0	in London
* At the works, 1s. t	o 1s. 6d. per box less.

REMARKS.-The metal market now begins to exhibit more activity than

Remarks.—The metal market now begins to exhibit more activity than has been visible for some time past, and prices of most metals in consequence show a rising tendency. The reduction in the Bank rate of discount, and generally improved prospect of trade, will, we hope, render this activity permanent, but until the American trade re-opens, and Indian orders come over more freely, we cannot expect to do so large a trade as heretofore, when those markets were more flourishing.

COPPER.—In English descriptions a considerable demand has sprung up, more especially for unmanufactured, and considerable firmness is maintained by sellers. The standard of ores has again advanced 4£, this, taken in conjunction with the active demand, causes a rise in fixed price to be pretty confidently anticipated. Holders of foreign are extremely indisposed to sell at present prices. Burra Burra has changed hands during the week at 971. 10s. to 981., since which the market has stiffened, and sellers at these prices are very difficult to be met with. Kapunda quoted at 991. to 1001.; Copiapo, 951. to 962.; Baltimore, 933.; Chilli, 881. in Liverpool. Yellow metal in limited demand, at 8\frac{3}{2}\tau\$. to 9\frac{3}{2}\tau\$. in Inon.—Orders for railway bars continue to be exceedingly limited, and price remains without alteration—51., 1.o.b. at the works. Merchant bars are in pretty good demand, but owing to the slackness of railway work manufacturers are unable to obtain more than 61., 1.o.b. in London, or 51. 2s. 6d. to 51. 5s. at the works. Staffordshire descriptions remain without activity, and prices unaltered. Swedish bars not much enquired fer just now; ordinary specifications on the spot 101. 5s.; for arrival 104. 10s. is asked. Scotch pigs have improved to the extent of 6d. to 9d. per ton during the week; mixed numbers to-day 51s. 3d. to 51s. 6d., and market rather quiet.

Lead.—There is not much doing just now in this market, and makers

er quiet.

EAD.—There is not much doing just now in this market, and makers very quiet, remains tolerably steady. English pig, 19l. 5s. for ordinary soft quality, to 21l. 5s. for WB brand. Sheets and shot not enquired for. Spanish pig, 18l. 10s.

Spanish pig, 18. 10s.

Spanish pig, 18. 10s.

Spelten.—This metal still shows a decidedly upward aspect, owing chiefly to the large amount of speculative business now doing; 17l. 15s., and even 18l., is reported to have been paid during the week for spot parcels, and 18l. to 18l. 2s. 6d. for arrival. To-day business to the extent of 275 tons has been done on the following terms—25 tons, at 18l., cash, to-day; 50 tons, 18l. 5s., cash, in 14 days; 100 tons, at 18l. 2s. 6d., cash, in 14 days; and 100 tons, at 18l. 5s., with long prompt.

Zing unaltered, and sellers firm at 24l.

Ting—On the 27th inst smelters of English announced an advance of

Zino unaltered, and sellers firm at 24*l*.

Tin.—On the 27th inst. smelters of English announced an advance of 3*l*. per ton, making present price for blocks and ingots 117*l*.; bars, 118*l*.; refined, 119*l*. These prices have since been very firmly maintained, and even higher rates are expected to be announced shortly. Foreign is in good request, and higher in price. Several parcels of fine Straits sold during the week at 116*l*. to 116*l*. 10s., and business done at the latter price to-day. Banes, 1172, to 118*l*.

TIN-PLATES not in request, and prices unaltered.

STEEL very dull of sale. It seems somewhat peculiar that while other metals, without exception, are looking up, steel remains totally neglected. Swedish keg quoted 14t. 10s.; faggot, 15t. 10s. English very quiet.

The Bank of England directors have again reduced the rate of discount which now stands at 4 per cent., and business generally has been more brisk and favourable. Tin, as we expected, has advanced 3L per ton; the brisk and favourable. Tin, as we expected, has advanced 3L per ton; the standard of copper ore is up, lead is firmer, and blende getting into demand. Altogether, the prospects of the Mining Marker have considerably improved; and since this improvement first set in a large amount of stock, especially in low-priced shares, has been gradually absorbed by the public; and as the dealers are short of stock, a great rise will probably take place in many shares, upon any improvement or discovery in the mines; and something of this sort is required to give stability and permanence to the improved tone of the market. During the week a large business has been transacted in West Seton, South Folgus, East Granville, Grenville, Wheal Seton, Wheal Kitty (Lolant), Stray Park, Wheal Unity, Wheal Hope, Carn Camborne, Hingston Down, Great Retallack, East Carn Brea, Ludcott, South Caradon Wheal Hooper, Merllyn, West Polmear, Wheal Crebor, Wheal Arthur, North Treskerby, West Caradon, North Downs, North Minera, &c. South Frances have been in good request, advanced to 130, and leave off 122½ to 127½; the demand is owing to a discovery of tin, said to be worth 40L per fathom, in the 134 west. Copper Hill also in demand at 95 to 100; there is said to be a fine lode going towards East Basset. West Seton have advanced to 230, 325. East Caradon firmer at 25½ to 26; the lode in the 80 east is worth 80L per fm., west 20L per fm. North Wheal Basset, 44 to 4½; at the meeting, on Wednesday, the accounts showed a balance against the company of 578L 13s. 6d., and a call of 3s. per share was made, and the report looks for an improvement in Grace's shaft, sinking under the 92. Pendeen, 4½ to 4½; at the meeting the accounts showed a loss of 245L 1s. 6d. owing to a dispute between the Duchy of Cornwall, the Crown, and the landowner. This, however, has been arranged, and leases both from the Duchy and the Crown are in the course of preparation; and when the works under the sea are resumed, the agents consider they could make a fair profit at once. Pa standard of copper ore is up, lead is firmer, and blende getting into de-

Basset, 16 to 18.

West Polmear shares have declined from 18s., 20s., to 17s. 6d., owing to a report pretty freely circulated that the first lode has been cut poor; this, however, we learn from the purser is not true, as there are about 3 fms. further to drive to cut the first lode, although one or two small branches have been met with, and the indications are favourable. It must be remembered there are four of the rich Polmear lodes to cut within a few fathoms of the first. Cook's Kitchen shares have been in good request, and have advanced to 27, 29. East Russell shares flatter, at 2½, 3½, West Caradon shares have been more dealt in, at 37½ to 39½. Wheal Mary Ann, 9 to 10; the mine sold 61 tons of silver-lead ore on the 24th, at 23L 17s. 6d. per ton. East Grenville shares have been very firm, and in request, and leave off 39s. to 41s. The lode in the engine-shaft has improved to 27L per fm., and the mine altogether is looking better.

Wheal Grenville shares remain at 32s. to 34s., and no material alteration in the mine. Alfred Consols, \(\frac{1}{2}\) to 1; Condurrow, 55 to 60; Dale, 14s. to 16s.; East Alfred, 29s. to 31s.; East Basset, 72\(\frac{1}{2}\) to 77\(\frac{1}{2}\). East Carn Bres shares have been more in demand, at 7\(\frac{1}{2}\) to 8, and the mine looking well. Wheal Unity shares have been very largely dealt in at 20s. and 23s. 6d., and leave off 19s. to 20s. On Thursday a report was spread in the market that the lode had been cut poor, and the "bears" set to work selling, but the shares rallied again. The report received from the agent on Thursday stated that the 75 cross-cut was in favourable ground for driving, and the lode expected to be cut daily. Above the adit he states the lode was very productive, and it is now in whole ground between that and the 75. Great Treveddoe, \(\frac{1}{2}\) to \(\frac{1}{2}\) to 18. per share was made. The caunter lode is valued at 50l. to 60l. per fim. South Caradon Wheal Hooper, which reached 25s., have not been so firm during the last day or two, and leave off 17s. 6d. to 20s. Great Wheal Fortune, 11\(\frac{1}{2}\) to 12\(\frac{1}{2}\); Lady Bertha, 15s. to 17s. Marke Valley, 10 to 10\(\frac{1}{2}\); we understand the last sale of ore will realise over 2000l., and one or two important operations going on at the mine. Merllyn shares have advanced to 15s., 20s., in expectation of cutting the north and south lode, which at present comes off but slowly. New Treleigh, 30s. to 35s.; Long Rake, 14s. to 16s.; North Roskear, 15 to 17; North Treskerby, 22s. to 23s.

Redmoor shares are at a mere nominal price of 3s. or 4s., and the mine nearly naving its way: the last statement of accounts, for the meeting on

30s. to 35s.; Long Rake, 14s. to 16s.; North Roskear, 15 to 17; North Treskerby, 22s. to 23s.

Redmoor shares are at a mere nominal price of 3s. or 4s., and the mine nearly paying its way; the last statement of accounts, for the meeting on the the inst., which no one attended, showed liabilities over assets, 10t.; the resent returns are 2½ tons of tin per month, and one or two good in progress. Old Tolgus United, 10 to 12; at the meeting a call the per share was made. Providence Mines shares in request at 35 to 37½; at the meeting a dividend of 1t. per share was declared. Wheal Margaret, 35 to 40; at the meeting a dividend also of 1t. per share was declared. Carn Camborne shares have been in great request all the week at 1½ to 1½, leaving off 1½ to 1½; the lode in the western end, at adit, was valued in the report, on Thursday, at 12t. per fm., and two samples of the ore assayed produced, one 34, and the other 22 per cent. for copper; this lode is daily expected to be cut at the 13, below adit, which is an important point to watch. Wheal Basset, 82½ to 87½; Wheal Crebor, 10s. to 12s. Wheal Ludcott, 3 to 3½; the last parcel of lead ore (80 tons) realised 17t. 5s. 6d. per ton, and there is a small parcel of silver now dressing. The prospects altogether are very encouraging. Hingston Down, 1½ to 2; a great improvement has taken place in the 85 west, worth 50t per fm. Great Retallack, 19s. to 21s.; in consequence of the rise in blende, and the demand for it, we understand the mine will now commence raising again, and is expected to return 500 tons per month, at a good profit. Kelly Bray, 15s. to 17s.; it appears the 60 has been skimming a bunch of ore, and the 70 will shortly get under it; a winze sinking below the 60 is worth 20t. per fathom. Tolcarne, 3½ to 3½; in cutting tip-plat the lode is squally as good as in the shaft, which looks well for holding down. Bryn Gwiog, 24 to 26; Camborne Vean, 1½ to 2½; Herodsfoot, 35 to 36; Herward United, 9½ to 10; North Minera, 27s. to 29s.; Rosewall Hill and Rasson United,

Wheal Seton, 75 to 80.

On the Stock Exchange, a moderate amount of business has been transacted in Mining Shares during the week. The following prices were efficially recorded in British Mining Shares:—East Caradon, 25½, 25½, 16½, Herodsfoot, 35; Margaret, 41; West Caradon, 39½, 38¾, 37; North Downs, 4½; Providence, 35½, 36; South Carn Brea, 2½; East Basset, 82; Great South Tolgus, 4, 3¾; Great Wheal Vor, 5; Par Consols, 9¾, 9½; West Seton, 325. In Colonial Mining Shares the prices were:—Bon Accord, ½, 1, ½; Port Phillip, 1; General, 22½. In Foreign Mining Shares the prices were:—St. John del Rey, 36½, 35½, 35½, 36½, 36; United Mexican, 5½, 5, 4½, 5, 6, 5½, 5½, 5½; Fortuna. 2.

The closing quotations for shares in new undertakings were:—Ocean Marine Insurance, 4½, 5½ prem.; Thames and Mersey Marine, ½, 1 prem.; Universal Marine Insurance, 1½, 1 dis.; London and Provincial Marine, par; Oriental and General Marine, ½, ½ prem.; Mercautile Fire, 3-16, 5-16 prem.; and Commercial Union Fire, ½, ½ prem. Colonial Government Securities continue in demand for investment.

The following are the Government Returns of the exports of articles identified with mining, the produce and manufacture of Great Britain, for the seven months ending July 31, 1861; and also as compared with the seven months ending July 31, 1860; extracted from the "Accounts relating to Trade and Navigation," published by the Board of Trade:—

DECLARED VALUE FOR THE SEVEN A 1860.	IONTHS ENDIN		Decrease.
Coals and culm£1,869,217		£2,106,226	
Hardwares and cutlery 2,013,203	*******	1,895,317	£117,886
Machinery:			
Steam-engines £684,830	£788,130		
Other sorts		2,370,051	_
Other sorts	2,002,021	2,010,002	_
Total£5,876,563		£6,371,594	
Metals:-Iron-Pig £496,858	£615,734		
Bar, bolt, rod 1,336,641	1,098,680		
Dar, Dott, rou 1,000,011			
Railway 1,989,533	1,852,877		
Wire 140,555	130,655		
Cast 479,593	374,637		
Wrought	1,625,740=	5,698,323	_
Steel 497,125	*******	406,454	90,671
Copper -Unwrought 443,949	269,470		,
Sheets	817,077		
Wrought 119,286= 1,672,195		1,220,488	451,707
		94,128	11,591
LeadPig 307,238	225,048		
Ore 97,992= 405,230		307,471	97,759
Tin-Unwrought 205,271	195,094		
Plates 894,561= 1,099,832	537,359=	732,453	367,379
Grand total£14,956,751	£	14,830,911 ±	£1,136,993
Less increase Coals and culm, 237,0091.; machiner	y, 375,908 <i>l</i> .; i	ron, 398,2361.	1,011,153
Total decrease			£ 125,840

At Redruth Ticketing, on Thursday, 3150 tons of ore were sold, realising 16,4481 18s. 6d. The particulars of the sale were—Average standard, 13tl. 14s.; average produce, 6; average price per ton, 5t. 4s. 6d.; quantity of fine copper, 190 tons 13 cwts. The following are the particulars:—

~	as coppe	49 400	, was	100		w 110 Y	GARG	Gerran	MAY O	BAAG	\mathbf{r}	AL HAVE		_	
	te.	Tons.		Stan	dard.	Pr	oduc	00.	Pric	e per	to	n.	Ore c	opp	er.
July	25	3303		£121	7 0	*****	614		£5	3	0		£78	16	0
Aug.	1	3778	*****	124	2 0	*****	6	*****	. 4	14	6	*****	. 78	10	0
29	8	3015		123	13 0	*****	65%	*****	. 5	10	0		. 82	8	0
39	22	4535	*****	125	4 0	*****	634		. 5	15	0	*****	. 84	13	6
2 99	29	. 3150	*****	131	14 0	*****	6	*****	. 5	4	6	*****	. 81	7	0

compared with the sale of last week, the advance has been in the standard 16s., and in the price per ton of ore about 5s. Compared with the responding sale of last month, the advance has been in the standard 5t. 2s., and in the price per ton of ore about 6s. 6d.

T	he following dividends have been d	ecl	are	di	luring A	agust :	_		
	Mines.	Per	r sh	are		Amor			
	Minera	£4	0	0		£ 7.200	0	0	
	West Wheal Seton	7	0	0	*******	2,800	0	0	
	Dolcoath	7	0	0		2,506	0	0	
	Wheal Clifford	3	10	0		1,750	0	0	
	Providence	1	0	0		1,120	0	0	
	Wheal Basset	2	0	0		1.024	0	0	
	Margaret	1	0	0		896	0	0	
	Lisburne	2	0	0		800	0	0	
	North Downs	0	2	6		750	0	0	
	Wheal Owles	5	0	0		400	0	0	
	East Darren	1	0	0		300	0	0	
	English and Australian	0	2	6		8,750	0	0	
	Lusitanian	0	1	6	*******	750	0	0	
	Total					£29,046	0	0	

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At Providence Mines meeting, on Wednesday, the accounts for May, Jus, and July showed — Balance last audit, 2751. 2s. 11d.; tin sold (deducting 217t. 19s. 7d. dues), 47641. 8s. 2d.; sundries, 151. 12s. 6d. = 50551. 3s. 7d. — Mine cost and carriage, 27371. 9s. 3d.; materials, coals, &c., 9721. 6s.: leaving credit balance, 13531. 8s. 4d. The profit on three months' working was 10801. 3s. 5d. A dividend of 11901. (1l. per share) was declared, and 2351. 8s. 4d. carried to credit of next account.

Wheal Margaret has declared a dividend of 11. per share.

The directors of the Hibernian Mine Company have declared the divi-net for the six months ending June, of 15s. per share.

At Wheal Jame meeting, on Tuesday, the accounts for May and June how—Mine costs, merchants bills, and sundries, 22241. 13s. 4d.; had debts and law sats in attempting to recover, 4601. 5s. 5d. — 26841. 18s. 9d. — Balance last and it, 5571. 3s.; ras lod, 30337, 3s. 8d.: leaving debit balance, 947. 12s. 1d. The loss on the two months reading uses 1911. 9s. 8d. Capts. Bray and Giles reported that their tribute department as locking well for tim, and they calculated their returns for the next two months to equal to the last. They have charged and paid in May and June about 4601, towards a new engine, exections, 6cc., and they had ores in the mine unsold—mundle, 230 tons; al, 10 tons; biends, 20 tons, worth at a low estimate, 4501.

chair), the accounts showed a debit balance of 1931s. A call or os. per sume.

Details in another column.

At Wheal Tremayne meeting, on Monday, the accounts for the three months ending June showed—Balance last audit, 491s. 17s.; labour cost, 1286s. 6s. 6s.; merchants' bills, 91st. 7s. 2d. = 2892.1 los. 8d.—Tin sold (deducting 39s. 1s. 11d. lord's dues), 1524s. 14s.; carriage, 11s. 2s. 10d.; arrente sold, 60s.: leaving debit balance, 1096s. 18s. 10d. A call of 10s. per share was made. Capts. R. and J. Williams reported that the double skip-road would be completed to the 53 next week. The masons were impeded by want of hands. They had 58 men on tutwork and 20 on tribute. Their prospects were better, and they anticipated an increase in their sales of tin during the next three months.

At the Pendean Consols Mine meeting, on Tuesday (Mr. W. Bawden in the chair), the accounts showed a balance of assets over liabilities of 18551. 16s. 8d. At the North Hafod Mine meeting (Mr. Bush in the chair), it was stated that the property had been acquired for a term of 40 years at a royalty of 1-20th. At Cara Galver Mine meeting, on Aug. 22, the accounts for the quarter ending June showed—Balance last audit, 2541. 8s. 3d.; mine cost, merchants bills, and sundries, 404. 16s. 4d.: leaving debit balance, 7331. 15s. 6d. A call of 21. per share was made. 16554. 1ts. 9d.—Tin soid, 8801. 19s. 1td.; calls received, arrears, and sundries, 404. 16s. 4d.: leaving debit balance, 7331. 15s. 6d. A call of 21. per share was made. The agents reported favourably upon the prospects of the mine.

At the Old Tolgus United Mines meeting, on Tuesday (Mr. M. Pound in the chair), the accounts showed a debit balance of 7641. 6s. 3d. A call of 21. per share was made. Details in another column.

At the Cumberland Black Lead Mine (special) meeting, on Thursday (Mr. Lindo in the chair), the resolution passed at the last meeting for winding-up the company was confirmed. Details in another column.

At the Rosewarne Consols Mine meeting, yesterday (Mr. J. Robertson in the chair), the accounts showed—Balance last audit, 2031. 12s.; mine cost, April, May, and June, 8851. 15s. 4d.; due, 12t. 13s. 8d.; ductor's pence, 21. 8s. 9d.; ner-chants bills, 2261. 9s. 6d.—10321. 19s. 6d.—Call, 4821. 17s. 10d.; oresold, 2281. 6s. 10d.: leaving debit balance, 3211. 14s. 10d. A call of 25. 6d. per share was made. The report of the agent was read, which appears in another column.

At the East Wheal Russell meeting, Monday (Mr. Hall in the chair), the accounts showed a balance of assets over liabilities of 4844. 9s. 1d. Details in another column.

At Wheal Harris meeting, on Thursday, the accounts to the end of June

other column.

At Wheal Harris meeting, on Thursday, the accounts to the end of June
owed a credit balance of 991, 18s. 4d. The agent reported that a cross-cut to the
ain lode was being driven; in doing which a branch of spar, mundic, and copper ore,
d been intersected, underlying towards the lode, which is considered an important
d favourable feature.

had been intersected, underlying towards the Row, which as considered, and favourable feature.

At Great Treveddoe Mine special general meeting, on Tuesday, reports were submitted from Capts. James Poglase, William Bryant, and Wm. Eustice. The altered position of the prospects in Treveddoe was considered to do away with the necessity of increasing the number of shares in the mine, in order to raise capital more fully to develope the sett. Capt. James Poglase reported that the caunter lode is totally different in its nature from anything they have seen in the mine, and they can speak of it as a great discovery; in fact, he has seldom seen richer work or a better lode. Capts. Bryant and Eustice reported that a caunter lode had been met with in the shaft, which is 8 fms. deep; this lode is 1/4 ft. wide, and worth 50%, per fm. for tin. They consider that in driving on this lode the east and west lode will be fallen in with—that which was worked on the eastern side of the valley, where a great deal of in has been raised. The mine has recently been visited by the secretary, who has brought up specimens of the ore from the lode, and reports the machinery and works in good order.

There A via 20 —In mining shares there has been a moderate amount

timens of the ore from the lode, and reports the machinery and works in good order.

Leeds, Aug. 29.—In mining shares there has been a moderate amount of business transacted, previous rates having been maintained. Shares in some of the progressive mines have been freely enquired after:—Brea Consols, 17s. to 20s.; Cornubia, 15s. to 18s.; Craven Moor, 3s. to 4s; Merryfield, 5s. 6d. to 6s. 6d.; Nidderdale, par to pm.; North Hallenbeagle, 15s. to 25s.; Wensleydale, 7s. to 8s.; Yorkshire, 10s. 6d. to 12s. 6d.

We understand the Compressed Coal Company have accepted tenders d favourable contracts for their machinery, which will be commenced immediately.

COAL MARKET.—On Monday, 115 ships arrived, which caused a busy market, and a large sale was effected of all descriptions of coal, at previous prices. Best house coal, 18s. to 18s. 6d.; seconds, 15s. 6d. to 16s. 6d.; Hartley's, 15s. to 16s. 6d.; manufacturers', 12s. to 14s. 6d. per ton.—On Wednesday, 36 fresh ships came forward. The demand was very dull for coals generally, and the few sales completed barely supported Monday's prices for household sorts; Hartley's decidedly a shade lower.—On Friday, there were 22 arrivals. The price of first-class house coals was reduced 6d. per ton, which stimulated the demand, and a fair business was done. Hartley's and manufacturers' a steady trade, at previous prices. Hetton's Wallsend, 18s.; Haswell's Wallsend, 17s. 6d.; South Hetton Wallsend, 18s.; Kepier Grange Wallsend, 16s. 6d.; Tees Wallsend, 17s. 6d.; South Durham Wallsend, 16s.; Hartley's, 15s. to 16s.; manufacturers', 12s. to 14s. 6d.: 22 cargoes unsold; 65 ships at sea.

Contracts for Coal.—The South-Eastern Railway require the supply

Contracts for Coal.—The South-Eastern Railway require the supply of 10,000 tons of Welsh Coal, for Iccomotive purposes.——Tenders are required for supplying the Royal Dockyard, Pembroke, with Smithery Coal Newport Coal, Gas Coal, Coked Coal, and Coals for steam vessels: particulars of which are to be had of the captain superintendent.

The Mineral Resources of Canada.—The importance of the mineral resources of Canada becomes each day better appreciated, and no doubt ere long British capital will be extensively employed in the development of the mines of that province. That copper and lead mines exist not only of a promising character, but which have been proved to be capable of yielding enormous quantities of ore of high percentage, is well known, and it now proves that the gold deposits are sufficiently ample to return large profits. We have already referred to the inducements held out by the Provincial Legislature for the introduction of capital into Canada, for the working of the valuable deposits of mineral proved by careful survey and examination to exist, and the last advices to hand state that an association—the Mining Agency Association—has been formed for affording English capitalists reliable information connected with the mineral locations which have attracted the largest amount of public attention in the province. The gold mines on the Chandière are now being carefully explored, and no doubt is entertained that the explorers will be well repaid for their labour, the gold being very coarse, and the nuggets abundant. The Acton Copper Mines will probably be amongst the first introduced into the English market, and the Ramsay Lead Mine will, no doubt, shortly follow. The recent advices state, moreover, that several locations, fully equal to the Acton, have been discovered, and that if the flow of population to these localities equals that to Acton, where the number of inhabitants has increased ten-fold in three years, it may be anticipated that Canada will become a mining country equal in importance to any in the world. In the Mining Journal of Aug. 17 the mineral resources of the province were detailed, and it is thought by many intimately acquainted with the colony that the prospects are rather understated than otherwise. The Canadians, too, appear to entertain a confident opinion that all difficulties with regard to obtaining labou THE MINERAL RESOURCES OF CANADA. - The importance of the minera

MINERAL OIL IN CANADA.—From the latest advices from Canada it appears that she is likely to rival the United States in the richness of her mineral oil springs. The chief location at present explored is near the Wyoming station of the Great Western of Canada Railway, but the twelve miles between the wells and the railway will afford an armic field for the Wyoming station of the Great Western of Canada Railway, but the twelve miles between the wells and the railway will afford an ample field for the enterprise of the traction-engine companies, for the roads are extremely bad. Notwithstanding the difficulties of transit, however, there are 100 wells in full activity, and although the oil-bearing strata are somewhat deeper than in the United States, the pumping of the oil still leaves a very considerable profit. The mode of extraction employed is much the same as in the States. The fortunate owners of the soil beneath which the oil is found are reaping abundant harvests, and charging exorbitant rates for the privilege of working—601 down, and one-third royalty, is a common charge. But the cost of the wells is very small, which to an extent compensates for this—sinking through the rock at 21. 15s. A return in the shape of oil commences about a month after operations begin, and a capital of from 100t. to 200t. generally suffices. It is estimated that the cost of the oil, including all incidental expenses, does not exceed a halfpenny

THE ASSOCIATION FOR THE PREVENTION OF STEAM-BOILER EXPLOSIONS.—At the ordinary monthly meeting of this association, held at the offices, Corporation-street, Manchester, on Tuesday (Mr. W. Fairbairn, C.E., F. R.S., President, in the chair), Mr. Fletcher, chief engineer, presented the report, from which the following are extracts:—During the ordinary visits of inspection the following defects have been discovered: Fracture, 9; corrosion, 12; safety-valves out of shape, 5 (2 dangerous); gover pressure, 5: tobul, 53 (3 dangerous). Boilors without pack pressure-ranges, 59; without pressure-gauges, 2; without blow-off cocks, 6; without back pressure-valves, 33.—Three boiler explosions occurred during the month, from which loss of life resulted in every instance, as well as serious injury to several persons. Not one of these boilers, however, was under the inspection of the association. I have examined the remains of two, and found that both boilers were of the plain double-flued cylindrical construction, such as is in general use in Lancashire, and that explosion had resulted in each from collapse of one of the internal furnace or flue tubes. The first of these boilers was 39 ft. long, the diameter of the shell being 7 ft. 9 in., and of the internal flue 3 ft. 2 in., while the thickness of the plate, both in the cylindrical part of the shell as wells in the Internal flue, was ½ of an inch: this boiler had been worked at a pressure of 50 lbs. on the square inch, and at the time of the explosion was stated to have been working at apwards of 40 lbs.; its age being 10 or 11 years. The second boiler was 30 ft. long, the diameter of the shell being 7 ft. 6 in., that of the internal flue 3 ft. volume to the explosion was stated to have been working at apwards of 40 lbs.; its age being 10 or 11 years. The second boiler was 30 ft. long, the diameter of the shell being 7 ft. 6 in., that of the internal flue 3 ft. volume the part of the shell were 3-16 thick, and that of the internal flue 3 ft. volume the part of the shell were THE ASSOCIATION FOR THE PREVENTION OF STEAM-BOILER EXPLO-

At the Cuddra Mine meeting, on Thursday (Mr. Lankshear in the chair), the accounts showed a debit balance of 1931. A call of 8s. per share was made. Details in another column.

At Wheal Tremayne meeting, on Monday, the accounts for the three meeting June showed—Balance last audit, 491. 17s.; labour cost, 12861. 6s. 6d.; merchants' bills, 914. 7s. 2d.—26921. 10s. 8d.—Tin sold (deducting 391. 1s. 11d. lord's interpretated by the completed of the completed to the Si next week. The mesons were impeded by want of hands. They had 88 men on tutwork and 20 on tribute. Their prospects were better, and they anticipated an increase in their sales of tin during in the chair), the accounts showed a balance of assets over liabilities of 18551. 16s. 8d.

At the Pendeen Consols Mine meeting, On Tuesday (Mr. W. Bawden in the chair), the accounts showed a balance of assets over liabilities of 18551. 16s. 8d.

At the North Hafod Mine meeting (Mr. Bush in the chair), it was stated that the prometry had been accuried for a term of 49 years at a royalty of 1-20th.

RAILWAY CAPITAL.—The annual return made to the Board of Trade shows that at the end of the year 1880, of the total capital raised by the railway companies of the United Kingdom—namely, 348,130,1271.—54 s per cent. had been raised by ordinary shares, 12 per cent. by debenture stock and 23 s per cent. by loans; the respective amounts being 190,791,0671., 67,878,8401., 7,576,8741., and 51,888,5461. Four years previously, at the end of 1856, the total capital raised was less by 40,535,3411., and the proportions of its constituent parts differed a little from the present; the preference stock and loans then formed 1 per cent. less of the total capital.

RAILWAY CALLS.—The amount falling due in Sept. is 493,5641.—making total for the nine months of the present year, 9,797,4791.

ALLWAY UALLS.—In a amount failing due in Sept. is 493,5644.—making a total for the nine months of the present year, 9,797,4791.

RAILWAY WHEELS.—In the construction of railway carriage and locomotive engine wheels, it is of the greatest importance that the tyre should be securely fastened to the body of the wheel, and that it should be weakened as little as possible by the operation of fastening. By the ordinary mode of construction, these objects are imperfectly obtained by putting on the tyre at a red heat, and allowing it to shrink, or contract, upon the wheel. Holes are then bored through the tyre, and its strengt is liable to be seriously impaired by overstraining. The belt-holes are also admitted to be a considerable source of weakness. To remedy these evils, Mr. Joseph Bond, of Tow Law, Darlington, has invented an improved method of constructing the wheels, and of forming their parts whereby they may be put together when cold, thus avoiding the risk attendant on shrinking, and whereby the use of boits through the face of the tyre may be dispensed with. To effect this he uses a tyre of peculiar form, the inner periphery being inclined or bevilled from both edges towards the centre. The heads of the spokes, the spoke rim, or the disc of the wheel, as the case may be, he makes with an incline, or bevil, on the outer periphery to suit the bevil of the tyre, and he makes a locserting, or disc, of a corresponding beveiled form, which is to be fitted into a suitable recess in the spoke-rim. These are then to be brought tightly together by acrews, or other mechanical means, and the bevilled surfaces being pressed inwardly in a wedge-like manner against the tyre will firmly bind the whole together.

	LEAD	ORES	3.		
	Sold on the 2	4th Aug	rust.		
Mines.	Tons.	Price :	per to	2.	Purchasers.
Wheal Mary Ann	61	£23	17 6		Stock & Co.
ditto	Sold on the 2			••••	R. Michell & Son.
Laxey		15	4 0	••••	Sims, Willyams, & Co.
Westminster					Walker, Parker, & Co.
Mount Pleasant					
Hendre Ucha					ditto
Pool Park					A. Courage and Co.
Roman Gravels	20	11	17 0		ditto
,			_	-	

					8	-			d August			
Mines.	7	ons	c.	q.						Amo	ant.	Purchasers.
Pedn-an-drea .		12	8	1	2			-		E 799	16	3-Bissoe Co.
North Roskear	**	6	14						0 1 24th Au		5	3—Treriffe.
Wendron Cons.	••	37	18	2	17	•••					5	7—Chyandour, Bissee
					-	CO:	PPE	R	ORES.			
Sold	t at	Lav	FED	Pos	T. 1	W W	T. w	Pite	cairn Cam	nhall	OB	America 94

COPPER ORES. sold at Tabb's Hotel, Redruth, Aug. 29. Sampled Aug. 14, an

Mines.		ons.	Pri			Mines. Tons.	Pric		
Great Wheal					0	Fowey Consols 66	£8 1	9	0
ditto			2	2	0	West Damsel 63	4 1	10	6
ditto	********			1	6	ditto 56	4	4	0
ditto		71		17	6	ditto 50	5	9	0
ditto				8	0	ditto 39	4	9	0
ditto		65			6	ditto 37	3 1	16	.0
ditto	********			11	6	ditto 22	3	0	6
ditto	********			3	0	Tywarnhaile 79	2 1	18	6
ditto	********			7	6	ditto 74	4	0	6
ditto	********	30	1	19	6	ditto 65	4 1	18	6
ditto		22	6	7	6	ditto 6	4	9	0
South Carado	n	95	6	5	6	South Crinnis 79	4	8	
ditto		85	6	1	6	ditto 74	5 1	16	6
ditto		83	7	17	6	ditto 32	10	2	6
ditto		68	7	14	6	North Grambler 55	5 1	15	0
ditto		55	17	10	6	ditto 50	9	8	8
ditto		39	18	2	6	ditto 30	9 1	18	6
ditto		38	1	11	6	New Treleigh 48	6	3	
United Mine			. 3	1	0	ditto 45	5 1	0	6
ditto		70	2	1	6	ditto 27	3	2	0
ditto	********	66	4	4	6	Craddock Moor 53	8	9	6
ditto	********		3	19	6	ditto 50	8 1	0	6
ditto			3	3	6	Gonamena 66		0	6
ditto		28	3	11	6	ditto 35	2	ă.	0
ditto	********	25	3	8	6	Cuddra	9 1	A	6
ditto		24	1	10	0	Great Crinnis 42	4 1		0
Fowey Cons			6	12	6	Grambler & St. Aubyn, 36	7	1	0
ditto	********			9	6	East Tolgus 17	8	5	6
ditto	*********			17	6	North Busy 6		8	6
ditto	********	70	6	18	0	Pembroke 3	4	8	0
41110				PAT	. P	RODUCE.	-		
								_	
Great Wheal				7	0	Craddock Moor 103 £ 8			6
South Carad			022	0	6		08 1		0
United Mine			300	8	0			8	6
Fowey Conso			267	9	0		89		0
West Wh. D			151	9	6			6	0
Tywarnhaile	224	****	875	15	0	East Wheal Tolgus. 17	89 1	3	6

North Grambler ... 125 ... 1104 12 6 North Wheal Busy. 6 ... 38 11 0 North Grambler ... 125 ... 126 5 0 New Treleigh ... 120 ... 628 14 6

Standard of corresponding sale last month, £121 7 0.—Produ	100, 6	%
COMPANIES BY WHOM THE ORES WERE PURCHASI	D.	
Tons. An	ount	
Vivian and Sons £230	3 13	9
Freeman and Co 63	1 12	. 0
Grenfell and Sons 138	6 16	9
Crown Copper Company 62 2	9 17	0
Sims, Willyams, and Co 136 8	5 14	0
	8 19	
	5 9	3
F. Bankart 10	5 14	0
	1 14	
	6 5	0
	3	3
Total	8 18	6

Copper ores for sale on Thursday next, at the Basset Arms Hotel, Pool.—Mines and parcels.—Wheal Clifford 648—West Seton 637—South Frances 248—North Roskear 245—South Tolgus 242—Wheal Basset 255—East Basset 173—Wheal Seton and Fendarves 143—Tresavean 34—West Stray Park 81—Tolcarne 73—Wheal Harriett 63—South Basset 50—North Crofty 34—Crane 14.—Total, 2986 tons.

Dasset of North Crotty of Chane 18.—Total, 2986 tons.

Opper ores for sale on Thursday week, at Tabb's Hotel, Redruth.—Mines and parcels. West Basset 466—Great Alfred 400—Alfred Consols and Laity 267—Par Consols 264—East Carn Bres 247—Wheal Margery 248—Copper Hill 196—Totadden 190—Wheal Buller 112—Wheal Anna 103—West Alfred Consols 95—North Basset 91—Great South Tolgus 81—East Rosewarne 65—Wheal Agar 61—West Trevellyan 44—South Crenver 31—Bolling Well 97—Pedn-an-drea 18—Clijah and Wentworth 18—Rosewarne and Herland 4.—Total, 3063 tons.

A CONTRACTOR	T. AULBI, O	voa w	м.,			-	_	_										
				FO	UI	TH SA	LE	U	8 .	AUGI	JST							
Year	8.	Tons.		Prod		Amo	ant.			Star	ıdaı	rd.	Ore o	OPT	er	. (ake	00
1851	********	2401		734		£11,011	.10	6		£103	8	0	 £64	13	0		£84	
1852	*******	2928		614		16,324	12	6		136	8	0	 91	7	0		102	10
1853	********	2922		616		16,875	11	0		131	10	0	 89	. 2	0		107	10
1854	********	3180		634		18,619	19	0		140	0	0	 95	10	0		126	4
1855	********	3214		514		18,257	15	0		151	15	0	 102	- 5	0		126	- 0
1856	********	3418		7		21,217	11	0		127	16	0	 88	11	0		107	10
1857	********	2907		654		19,993	0	6		145	- 5	0	 103	16	0		117	. 0
1858	********	2719		636		16,307	16	0		128	4	0	 87	19	0		107	10
1859	*********	2486		65%		13,971	1	6		125	19	0	 85	10	0		107	10
1860	********	2882		632		16,361	17	6		125	- 8	0	 84	13	0		- 98	- 0

The copper in the ore expresses the nett price per ton of copper paid to the miner. Copper Ores for sale at Swansea, Sept. 3.—Cobre 940—Berchaven 395—Ookip 206
Springbok 128—Wheal Maria 37—Cuba 237—Knockmahon 100—Del Soto 97—Laxey
—Garrucha 34—Spanish 40—Lochwinnoch 35—English and Canadian 30—Turkish
—African 18—Spanish 5a-2446 tons.

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THE NORTH HAFOD SILVER-LEAD MINING
COMPANY (LIMITED).
Incorporated in virtue of the 19th and 20th Vic., c. 47, and 20th and 21st Vic., c. 14.
Capital £12,000, is 6000 bares of £2 each. Deposit, 10s. per share.
And the balance, if required, to be paid by instalments of 5s. each, at intervals of not less than three months.

SECRETARY—Mr. Thomas Spargo.
CONSULTING ENGINERR—Capit Matthew Francis.
OFFICES,—224 and 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON.

OFFICES,—224 and 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON.
The North Hafod Silver-Lead Mining Company has been formed for the purchase and invelopment of a rich and productive silver-lead mine, situated two miles from Devil's Stige, thirteen miles to the east of Aberystwith, and about a mile from the projected Manchester and Milford Haven Bailway.
The grant upon which the company is founded embraces an extensive tract of ground, subject to the very moderate royalty of 1-20th.
The North Hafod Mines are immediately adjoining to, and surrounded by, some of the ishest and best paying mines in the district, Cwmystwith, Frongoch, and Nant-y-Crean. Prongoch is now giving profits to the extent of £1000 per month, Cwmystwith of £600 ser month, and Nant-y-Crean £1800 per month, Cwmystwith of £600 ser month, and Nant-y-Crean £1800 per month of Cwmystwith of £600 ser month, and Derwent Mines, in the counties of Northumberiand and Durham.
A beneficent Providence has been prodigal in the bestowal of mineral treasures npon this favoured county (Cardigan), and they have been successfully wrought for centuries. Namerous large fortunes have been realised by the adventurers in its mines; and a distinguished instance is established in the case of the celebrated Bir Hugh Myddelton, who is invest £2000 per month from one of them, with which he prosecuted his great work—the formation of the New River from Ware to Islington, to supply the inhabitants of the natropoles with pure water.

The North Hafod Mines editate arough the great Formershinde, and spine a firm of the New Hafod Mines editate arough the great work—the attropoles with pure water.

stropolis with pure water.

The North Hafod Mine is situate upon the great Frongoch lode, a vein of 33 ft. in width
outsining courses of lead ore of excellent quality, nearly solid for an immense length
of the property of the course of the

must stricted lode stone.

Large courses of ore are opened upon close to the boundary of the company's grant
is intended to adopt the most efficient and economical method of opening the l
r driving a cross-cut to intersect them at a low level, where immense deposits of or

ally for the construction of a steam-engine, and the heavy expenses attendan g one, will be averted by the adoption of water-power, which is immediately

pon working one, will be averted by the adoption or water-powes, which is possible to an unusual extent.

And it is confidently expected by the most competent authorities that the realised route, upon an outlay of £3000 of the capital the promoters have provided for, will enble the company to pay a liberal dividend to its shareholders; whilst intersecting the odes at various points, by cross-cut adits, will guarantee the certainty of producing immense profits to the shareholders.

The important position of the North Hafod Mines, and the intrinsic value of the vadous lodes which run the extreme length of the sett, will be fully appreciated upon a perusal of the report of the consulting engineer of the company, Capt. Matthew Francis, which accompanies the prospectus.

a of the report of the consulting engineer of the company, Capt. Matthew Francis, accompanies the prospectus, advance of modern science, and progress of enlightenment, are now introducing liway system towards and amongst the Cardiganshire mountains, where their rich clead mines abound, and in a brief time those fastnesses will participate in the fast of transport afforded to the more favoured districts of England, when the value mining property of this singularly favoured province (Cardigan) will be largely ced.

nhanced.

The mining operations of the company will be under, and subject to, the in apervision of the eminent engineer, Capt. Matthew Francis, to whose report

has been made.
The promoters of the undertaking, faily impressed with the great value of the North Hafod Mine, and the profitable results which must accrue from its efficient working, offer the remaining shares to the public, with a conviction that such an opportunity for the investment of capital is rarely presented for consideration.
The capital of the company is to be £12,000, divided into 6000 shares of £2 each, whereon 10s. per share is to be paid at the time of subscribing, and the remainder, or balance of £1 10s. per share, to be called for by instalments of 5s. per share each, at intervals of three months, of all of which calls 21 days' clear notice is to be given.
The undertaking to be under the immediate direction of a board of directors, to consist of not less than three or more than seven members, each of whom shall be required to qualify for office by subscribing for, and holding, 50 shares at the least in the capital of the company.

The company is incorporated under the 19th and 20th Viet. cap. 47, and 20th and at Vic. cap. 14, to limit the liability of the shareholders to the amount of their re-ective subscriptions to the capital thereof; and the Articles of Association to define esystem of management under which the company is to be conducted, and to contain ovisions to secure and maintain a true and proper system of check and counter-check its financial transactions, and in the issue and transfer of shares; and to secure power the board of directors to commence the operations of the company, and to carry out decoduct the business thereof before the whole of the capital be subscribed, and when its discretion it shall deem expedient.

spectuses, with plans and sections of the property, as also reports of the by the company, can be had on application to the secretary.

EAST WHEAL MARTHA MINING COMPANY (LIMITED).
Capital £15,000, in 6000 shares of £2 10s. each.
Les, per share to be paid upon application, and 5s. upon allotment. All future calls not to exceed 5s. per share, and not often than quarterly.

Capital £15,000, in 6000 shares of £2 10s. each.

Be, per share to be paid upon application, and \$s. upon allotment. All future calls not to exceed \$s. per share, and not often than quarterly.

DRECTORS.

GEORGE SEARBY, Esq., Crown-court, Threadneedle-street, London.

EDGAR WILLIAMS YARROW, Esq., 14, Arundel-square, London.

JAMES LANE, Esq., 44, Threadneedle-street, London.

T. C. HAWKINS, Esq., 49, Broad-street, Oxford.

THOS. COOPER SMITH, Esq., Warnford-court, Throgmorton-street.

BANKERS—London and County Bank.

SOLICTION—Frederick Wm. Snell, Esq., 1, 1, George-street, Mansion House, London.

CONSULTING AGENT—CAPT. Joseph Bichards.

SECRETARY—Mr. E. Evans.

OFFICES,—23, MOORGATE STREET, CITY, LONDON, E.C.

The object of this company is to purchase and work the mineral ground lying between the Devon Great Consols and the Great Wheal Martha.

There are few instances of mining where success would appear to be more certain than in this case, as this mine is situate west of the Devon Great Consols, and east of the Great Wheal Martha.

The angle with the state of the former mine is too well known to the public to require much comment, but it may be stated that it has returned in dividends nearly £1,000,000, on an original capital of £1024. The Great Wheal Martha Mine is one of the most successful instances of an old mine being reworked, the company having sold in a few months ore to the amount of nearly £3500, and having at the present time about 1000 tons of ore broken and being prepared for sale, while the reserves in the different levels amount to more than 5000 tons, and there is no doubt the mine will soon commence paying good and lasting dividends. All this is the produce of one lode only which has held continuously from the upper to the lower level, and is now in the bottom level 16 ft. wide, a fine course of ore. This lode is by practical men considerable to the name will soon commence paying good and lasting dividends. All this is the produce of one lode only which has held continuously from the upper t

b. London.

The following is apport from Captain Joseph Richards, who, being connected the underground workings at the Devon Great Consols, must be well acquainted the run of the lodes and their connection with this property, and quite capable of g m opinion on the future prospects of this mine:—

an opinion on the future prospects of this mine:—

Asy. 3, 1861.—I beg to hand you my report on this mine. It is situated directly east
and adjoining Great Wheal Marths, where large returns of copper ore are being made,
and the Devon Great Consols is in a direct line cast of 1 bt. Wheal Marths, so that
this mine may be considered to be in a very first-rate posit it; the great lode of Wheal
Martha must run directly through the sett, as well as severe bther lodes of very great
promise. There have been shafts annk and levels drylegy if East Wheal Marths, and promise. There have been shafts sunk and levels driven in East Wheal Martha, and although they cannot now be seen until the water is in for \$1\$ am assured that the prospects were such underneath as might be fully expected fror the very great and good appearances of the lodes at surface. I am fully justified in highly recommending East Wheal Martha as a mining property of very much more thang dinary value as a specialition, and I am of opinion that those who may investmerin will have no cause to regret it, but, on the contrary, have every reason to congratulate themselves on the advisable selection of this extensive and exceedingly fempting property as an investment, containing as it does the necessary elements of success. In addition to the very fine appearances of the iodes themselves, there are cross-courses and intersections thereof, with the lodes attendant on which are often found the most splendid and valuable courses of one. I will conclude by advising you to commence operations as soon as you can masince of the transfer of the found the most spiritum and spiritum and it will conclude by advising you to commence operations as soon as you can major to do so, and I am exceedingly assignine of the results proving in every way all I said and intended to convey relative thereto. If you will refer to my report on the Wheal Martha of Oct. 3, 1859, you will perceive that the results are bearing out I then said of that property, and in East Wheal Martha you have a mine the protate of which are not exceeded in my belief in any mine in the two counties, and I untatingly advise all and every one who can to take an interest therein.

JOSEPH RICHARDS.

FORM OF APPLICATION FOR SHARES.

Date.

-MR. HARRY ADVENTURERS IN FOREIGN MINES. THOMAS VERRAN, of PLACENTIA, NEWFOUNDLAND, who has had conable experience (under the taition of his father, and in connection with many other
reneed Mining Engineers) is ready to UNDERTAKE the EXAMINATION and
ORTING upon MINERAL PROPERTIES in Newfoundland, the United States, or
other country, where his services may prove useful to capitalists. The greatest
dence may be placed in Mr. Verrans, who will use his best judgment in giving reis information to those who may repose confidence in him,

Now ready, price is.,

THE PROGRESS OF MINING IN 1860,
BEING THE SEVENTEENTH ANNUAL REVIEW.

BY J. T. WATSON, F.O.S., Author of the Compendium of British Mining (published in
The SIXTEENTH ASNUAL REVIEW of MINING PROGRESS appeared in the MINING JOURMAL OF DECEMBER 13, 1899, and January 7, 1860.

A FEW COPIES of the REVIEW OF 1895, containing Statistics of the Metal Trade,
the Dividends and Percentage Fall by British and Foreign Mining Companies, and the
State and Prospects of upwards of 200 Mines. Also a FEW COPIES of the REVIEW
OF 1862, 1853, and 1864, MAY BE HAD on application at Messrs. WATSON and CUELL'S
Mining offices, 1, 88. Michael's-alley, Cornhill, London. Ining offices, 1, St. Michael's-alley, Cornhill, London.
Also, STATISTICS OF THE MINING INTEREST. By W. H. CUELL.

WATSON AND CUELL'S MINING CIRCULAR, published every Thursday morning, price 6d, or £1 is, per annum, contain special Reports of Mines, and the Latest Intelligence from the Mining Districts, from as axclusive resident agent; also, Special Recommendations and Advice upon all subject connected with Mining, and Interesting to Investors and speculators. A Record of Daily Transactions in the Share Market, Metal Sales, and General Share Lista, &c. Edited by J. Y. Warson F. G. S., and published by Warson and Curla, J., St. Michael's-alley, Cornhili. M.B. Messrs. Warson and Curla, have made a selection of a few dividend and progressive mines, which they have reason to believe will pay good interest, with a probability, also, of a rise in value, the names and particulars of which will be furnished on application.

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Hotices to Correspondents.

GREAT WHEAL ALFRED.—A large holder in this mine agrees with your correspondent, and would esteem it an act of gentlemanly kindness if our much esteemed Chairman, Dr. Beattle, would consent to have driven the level spoken of, and prove the correctness or incorrectness of Capt. Trelesse's ideas. All parties cannot but then say that the high confidence in the integrity of our worthy and esteemed Chairman has not been misplaced.—JUNETTIAL. ed. -JUSTITIA.

misplaced.—JUSTITIA.

SAFETY-LAMPS.—I observe that Mr. Maithias Dunn refers to the fearful practice of permitting the men to trim their lamps by forcing a wire through the gauze instead of by using the ordinary pricker; and surely, if such a practice be anything like general, it would be well to secure, so far as possible, glass-sided lamps. Having long been constant reader of the Journal, I have read the descriptions of lamps of this class, and also many recommendatory articles concerning them, but I have nover heard of a collery in which they have been introduced. Could any of your correspondents inform me of such a collery, as I should be glad to learn the amount of success which has attended their introduction? The lamp I particularly noticed was the Mozard, and as I think Messrs. Abbot and Co., of Newenstle-on-Tyne, were the manufacturers, perhaps they could give the information.—Coal.

EAST TAMAR.—In reply to a letter in the Journal of the 17th inst., signed "A Shar holder," I beg to say that if he will apply at the office of the company he will obtain any information he may require as to the sale of materials, &c.—T. B. Laws, Sec.

holder, I beg to say that it he will apply at the other all the company and many information he may require as to the sale of materials, &c.—T. B. Laws, Sec. Hourn Devon Inon and General Mining Company.—Having lately returned from visit to the Atias Mines, I wish to inform the shareholders, through the Journal, the state in which I found that portion of the company's property. I first inspected the water-wheel, but through want of water only four heads of stamps were at work, in stead of twelve, yet there is plenty of ore at surface to keep them all going, and the miners hauling more that will well pay for crushing, although at so shallow a depth and there is every indication of a good tin mine if the works are pushed on speedil; and economically. The fron portion, which I saw next, was quite at a standstill, and if I may judge from appearances, has been so for some mouths. Altogether, thing looked as though a committee of shareholders were wanted to prevent the South Devo Iron and General Mining Company being numbered with things of the past.—H. Well find some particulars in the letter of our Staffordshir EEND IRON-WORKS.—"H." will find some particulars in the letter of our Staff correspondent, which show that he has not been correctly informed.

COTTRESPONDENT AT GREAT TREVEDOES MINE.—About a month ago a statement was made that a very rich tin lode was cut at this mine, a few fathoms from surface. It was reported to be worth 100f, per fathom. No official report has appeared in the Journal respecting it, although a great many shares have changed hands in consequence of the alleged discovery. The lode has either been discovered or not discovered at all; if it has not been discovered it should have been contradicted, and if it has been discovered it ought to have been officially declared, else it is not fair to the shareholders. May I ask, do none of the officials of this mine take sufficient interest in it to acquaint the shareholders and the public of an important discovery? If I am rightly informed the lode is a very valuable one, and the price of the shares ought to be five times their present value. I am informed that a sample of the lode has been submitted to an eminent mining authority, who has given his opinion that it contains a large percentage of tin; if this be so, do not let the candle be hid under a bashel. I trust the manager and purser, for their own credit, as well as for the benefit of the shareholders, will let their light shine.—A Sharkholders.

GREAT KANAWIA COMPANY.—I should feel obliged if any of your correspondents would

GREAT KANAWHA COMPANY.—I should feel obliged if any of your correspondents wot inform me whether there has been any meeting of the shareholders in this company which was formed about ten months ago, and whether they have received any rep from their agent in America?—INQUIRER: Liverpool, Aug. 28.

The communication of our Truro Correspondent has been unavoidably postponed.

GREAT WHEAL VOR.—Your correspondent, in communicating the account of my recent applications to the Vice-Warden, has failen into no less than ist distinct misropresentations:—1. That the extent of my holding in Wheal Vor is 2\frac{1}{2}, 12-3, 720 ths.—2. That the nature of my application on the 14th inst. was to inspect the books, &c.—3. That my former application was similar to the latter.—4. That the former application was refused.—5. That the recent application was refused.—6. That 1-10,000th part of the mine seems to be the nearest fraction capable of representing my interest. The facts are that I applied for, and obtained, in 1853, 50 shares in this mine, and I have not since disposed of any portion of my interest. The prospectus now before me represents the mine to be divided into 200,000 shares, my interest, therefore, was 1-4000th part. On the 14th inst. Implied to the Vice-Warden for an order calling on Mr. Noakes, the purser, to produce to me, for my inspection, and to take a copy, a list of the share-nolders, with their addresses, &c., which was granted on the 15th, and served on Mr. Noakes at the office of the mines, in my presence, on the 17th. The former application, in February last, was for an order to inspect the books, &c.; this was also granted by the Vice-Warden and served on Mr. Noakes in due course.—Usonose Goodingtos: Park-street, Regent's-park, Aug. 29.

SILVER VERN COMPANY.—"A Shareholder" will find in our present Journal, and in that of last week, a notice from Mr. Squire, offering to furnish samples to purchasers, of about 20 tons silver ores. Other information can be had on application at the office.

Minno Mr. St. Tearli.—I was called upon a few days since to accompany a party over The communication of our Truro Correspondent has been unav

SILVER VEIN CONTANY.—"A Shareholder" will find in our present Journal, and in that of last week, a notice from Mr. Squire, offering to furnish samples to purchasers, of about 20 tons sliver ores. Other information can be had on application at the office.

Minino in St. Tearii.—I was called upon a few days since to accompany a party over the sets of Old Treburgett, and the observations made by them have caused me to make a few remarks on this most neglected mining district, and shall feel thankful if you can find space for them in your valuable Journal. Since the Old Treburgett Mine was so cowardly abandoned, there have been several other lodes opened in the same valley, and adjoining setts, all of them congenial for the production of lead, and most of them containing lead within a few feet of the surface. Two of them—North Treburgett and Wheal Eckley—have had good eagines and plenty of buildings erected, but they went only a very few fathoms under a shallow adit before they were abandoned, so that nether of those lodes have had a fair trial. At Wheal Samson, where some of the richest argentiferous ore in the county have been raised, and where the last bunch of this ore was broken, containing nearly a ton, there have been very little operations carried on—this is abandoned also. Tregardock is working, but by a very few men, though I trust their late discovery will stimulate the adventurers, and induce them to carry it or with greater spirit. Pengenna (which is south of and nearly joining the Old Treburgett) is being carried on under the able management of Capt. Ennor, and I have no doubt of its making a good mine. But the Old Treburgett to lie idle so long is a mystery to may were also also the particle algonits that have visited the mine for years past bave presented it to be one of the best and surest speculations they have ever seen; and old miners returning, that worked there in their youthful days, and know micre of ontaining now, declare they have not seen its equal since they left, and wonder it cannot be

Clay Cross Colliery Accident.

C LAY CROSS COLLIERY ACCIDENT. Mrs. C. Smith, Chesterfield ...

Mrs. E. Smith, Chesterfield ...

Mr. Robert Howe, Clay Cross ...

Mr. Robert Howe, Clay Cross ...

Mr. E. Smith, Chesterfield (additional) ...

Dr. Bright, Overton Hall, Ashover ...

Mr. J. B. White, Chesterfield ... Subscriptions will be received by the Mayor of Chesterfield, the Derby and Chester field Banks, and by the honorary secretary. GEORGE BARROW, Hon. Sec.

THE MINING JOURNAL

Railway and Commercial Gazette.

LONDON, AUGUST 31, 1861.

The returns from the Board of Trade again show a decrease in the value of the exports, as compared with the last and previous year. They are made up for the seven months ending July 31. The total declared value of goods exported, the produce and the manufacture of this country, is 70,237,685L, for the period mentioned of this year; while for the seven months of 1860 it was 74,542,687L, being a falling off consequently of 4,305,002L; and in 1859 the aggregate value was 74,288,610L, giving, therefore, 4,050,925L less for 1861. Considering the general inactivity of our, trade, no other result was anticipated; and, indeed, it was thought the figures would have been of larger amount than these official statistics prove. The continued unsettled position of the United States is naturally one great cause, if not the greatest, of our unsatisfactory state of commerce, and it seems difficult to determine as to the probability even of a favourable turn as respects the bearing of political on commercial operations in that country. It is satisfactory to mention that the decrease in the articles indentified with the mining industry of the country is not in its sual ratio, inasmuch as it now represents only 125,840L out of the 4,305,002L. This is a material improvement, and is good evidence that in this portion of the trade of the country there is more animation than might have been expected. In iron of various kinds there is an excess over last year of 398,236L; in machinery, 375,908L; in coals and culm, 237,009L; together, 1,011,153L; while on the reverse side we have compare set down \$4.51.7021 bere the

In iron of various kinds there is an excess over last year of 398,236*l.*; in machinery, 375,908*l.*; in coals and culm, 237,009*l.*; together, 1,011,158*l.*; while on the reverse side we have copper set down at 451,707*l.* less than 1860; hardwares, 117,886*l.*; tin, 367,379*l.*; lead, 97,759*l.*; steel, 90,671*l.*; and brass, 11,591*l.*; making collectively 1,136,993*l.*, and consequently giving the balance decrease at 125,840*l.*, as already mentioned.

The precious metals continue to be against this country on balance of trade. The imports during the seven months were 11,254,351*l.*, and the exports 16,172,126*l.*, so that we are losers to the extent of 4,917,775*l.* in this respect. The imports consisted of 7,283,471*l.* in gold, and 3,970,880*l.* in silver; and the exports 9,510,482*l.* in gold, and 6,661,644*l.* in silver.

APPLICATION OF EXCAVATING MACHINERY TO MINING.

Nearly every department of industry partakes of the momentum with which the world is now moving forward. Science has touched with its potent wand agriculture, manufactures, and locomotion; "it has spanned great rivers and estuaries, intersected the land with iron roads, and traversed them with cars 50 miles an hour; ploughed the Atlantic 14 knots an hour against the wind, laid bare the floor of the ocean, brought the

versed them with cars 50 miles an hour; ploughed the Atlantic 14 knots an hour against the wind, laid bare the floor of the ocean, brought the fixed stars to our feet, annihilated space, and made a point inconceivably distant yesterday its goal to-day, and its starting point to-morrow;" but the progress of the miner in his patient burrowings through the indurated rock is precisely what it was when the Roman landed his legions upon our shores; or, earlier yet, when Pytheas led his daring adventurers from Phonecia into the rough latitudes of the British Isles. The miner knocks perseveringly at the prison-house of the shining treasure, and slowly is the gate opened—sometimes never, and often only when generation after generation of importunate beseigers have passed away. Occasionally, but only at rare intervals, the door which bars the entrance to the unrevealed hoards flies open as if on the pronouncement of an "Open Sesame," and the adventurer thus suddenly endowed with wealth becomes the object of envy and emulation to thousands, who hazard their all upon a remote possibility, leaving behind them a painful moral, which might well "adorn a tale."

These reflections have been suggested by the novel and startling proposition which appeared in last week's Journal, of applying steam machinery as a substitute for hand labour in the sinking of shafts and driving levels and cross-cuts. We have called the proposition novel, though such an idea must have often occurred to the reflecting miner, as that of steam, applied to manufactures and locomotion, to many a thoughtful man before Watt or Stephenson, by their marvellous powers, reduced the theory to practice. The novelty, however, in the present instance arises from the form in which the proposal is placed before the capitalist and the world; it is startling, because a new and magnificent prospect will be opened up to thousands in England who know what science and capital have achieved in other walks of industry. If steam machinery can plough our fields, reap our harves granite forebreast of the miners' drift, and with 20 augers, urged onward by as many hammers, honeycomb the rock, and win its triumphal way with a giant's stride where the arm of the miner drops paralysed in the struggle? Only those will laugh who would have laughed at Trevihick, Arkwright, or Smeaton. Many a bold and successful project has found its inception in a Cornish man's mind, although in Cornwall, as elsewhere, interest and ignorance will array themselves against an innovation, however great and beneficent the results promised by its triumph.

The innovator in the present instance offers to sink a shaft of 200 fms in 12 months, and drive a level at a minimum rate of a fathom per diem. And why not? If 20 race could stand in one end, or 40 in a shaft, the

And why not? If 20 r nen could stand in one end, or 40 in a shaft, the work could be accomplist ted, but neither the prescribed space for the workmen, nor the atmospheric supply for the lungs of as many manipulators, admit of such an application of human power, to say nothing of the costly nature of human labour. But with machinery the case is altered, power is concentrated and augmented, and the crying evil of a poisoned atmosphere, which slays its thousands, is absolutely corrected, or reduced to is minimum amount of mischief. Could such an agent be anything but a boon to the weeking miner? Would it displace his labour? Would inot augment it; tenfold? Would not whole districts, now abandoned, because the ore is so sparsely distributed as to render the costly hand labour of the miner tunremunerative, spring into activity, and give employment to thousands who have now to carry their skill and enterprise to the remotest regions of the earth, where mining may be found in that virgin state in which centuries ago it existed in our own country?

By the proposed substitute the labour of the miner would be transferred from a sphere where little more than patience and strength are required, to one in which judgment and skill would be involved—to the stopes and tribute pitches, the extent of which would be augmented tenfold, or to what would, under the new system of mining, assume a more important in the strength and in the strength and important in the strength and in the strength ature of human labour. But with machinery the ease is altered, power

what would, under the new system of mining, assume a more important relative position, that of ore-dressing, which, it is well known, admits of immense improvement, and which improvement would be necessitated by the greatly increased returns under the altered circumstances.

Let us for a moment con pare the two agencies, not so much as to their results, but as to their relative efficiency, per se. With his hammer and anger the miner may now administer, moon an average, eight blow per

results, but as to their rela tive efficiency, per se. With his haimer and auger the miner may now administer, upon an average, eight blow per minute. How many of the se blows are effective? How many fall power-less upon the boring instru ment? Is it not obvious that they must diminish in force with the exha ustion of the manipulator? How many times must he rest to recruit his strength during the few hours of occupation? How often must he retire is luring the blasting operation? These and namerous other important queries suggest themselves. But how different

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are the conditions with a machine driven by steam-power. Every blow is true, every blow is effective. The rapidity with which the blows are administered increases their efficiency. Meanwhile, the same process is going on over the whole surface; the boring instrument can be driven deeper into the recesses of the rock, one blasting on the removal of the machine will suffice to strip the whole face of the forebreast. The replacement of the machine will assist to clear the level of the foul atmosphere arising from the explosion, and the work will be carried forward with an impetus so unwonted that mining will no longer be counted among the largards of civilisation.

ment of the machine will assist to clear the level of the foul atmosphere arising from the explosion, and the work will be carried forward with an impetus so unwonted that mining will no longer be counted among the laggards of civilisation.

By the existing system the courage and faith which are demanded of the adventurer makes one often wonder that he does not eschew mining altogether. Nothing but the brilliancy of the prizes, at rare intervals, could sustain his fainting hopes. In certain districts, for example, it is well known that no success can be reasonably anticipated within 80 or 100 fms. from the surface, and the adventurer often embarks in an enterprise involving years of time and a large outlay of capital, it may be of the highest promise, but, nevertheless, presenting the most absolute uncertainty of success. Or where depth has not to be encountered, long drivages, either in the shape of cross-cuts or on the course of the lode, are necessarily attended by the same penalties of time and expenditure. In either case, by the adoption of steam-boring machinery time would be abridged and outlay economised in a ratio which would reduce mining almost to the condition of commerce or manufactures. We could, if the fact were not notorious, poiet out innumerable cases where courses of ore known to exist could not worked for want of ventilation, a matter easily remediable by the induction of steam-machinery; and other instances where whole districts have lain idle for years, during the tardy process of bringing up an adit, the only thing that hindered the vigorous application of capital for the development of the well-known mineral resources of the neighbourhood. Such works could be reduced by machinery to a question of months instead of years, and to an outlay of hundreds instead of thousands of pounds.

But our readers travel faster than we do in anticipating the results which may fairly be looked for from the introduction of machinery in place of the rade hand labour now employed. It is demanded by the dimin

LOSS OF LIFE AMONGST CORNISH MINERS-No. VIII.

We very willingly gave insertion last Saturday to Mr. Tregay's letter in opposition to the Government enquiry into the causes and remedies for the excessive disease amongst Cornish miners we advocate, for it is only just that both sides should be heard, and the more a good cause is canvassed, the more distinctly does the truth appear. To most of Mr. Tregay's objections we have already replied by anticipation, and some of his arguments are reasons for our side of the question rather than for his. For example, he says, and says truly, that Cornish miners are more highly educated than some writers he alludes to have any idea of. Now, what does this prove but that a Government enquiry as to the cause of a tremeadous evil afflicting this unusually intelligent body of men, will elicit from them an explanation of the reason why the evils they endure continue, what it is that prevents their intelligence having fair play to guard themselves and each other from some of the greatest evils men can suffer,—loss of that health without which life is a burden?

Mr. Tregay acknowledges and deplores the loss of life amongst miners, the excessive disease amongst Cornish miners we advocate, for it is only

lingly do too much; our dread is that they will not soon be induced to do that which justice, humanity, and policy alike demand—to cause a full and fair investigation to be made into an evil of national magniture, and satisfy themselves either that there is progress making, or take steps to ensure that progress shall be made towards its quick and complete removal.

ACTION AGAINST A COLLIERY PROPRIETOR FOR Non-observance of Special Rules.—On Thursday, proceedings were instituted at the Police Court, under the various sections of the 23 and 24 Vict, for "The Regulation and Inspection of Mines," against Francis Hennikin Perkins, residing in Cwmamman, in the county of Carmarthen, owner of Lynch Colliery, Llanrhidian, in Gower—I. For not boring sufficiently far in advance of the workings to prevent inundation.—2. For not hanging up a copy of the special rules in a conspicuous position in the pay-office for the guidance of the colliers.—3. For paying the men at a public-house.—4. For not having an indicator to show the position of the "load" in the pit.—5. For commencing working the pit without giving the usual notice to the Government Inspector of Coal Mines. Mr. Thomas Evans, Her Majesty's Inspector for the district, attended, and Mr. Tripp appeared on behalf of the prosecution. It will be remembered that about six weeks or two months ago, the Lynch Colliery, near Llanrhidian, was inundated, and two men lost their lives. The colliery had not long been opened, and the men had unexpectedly come upon old workings full of water. It was subsequently inspected by Mr. Evans, who finding that the Act of Parliament recently enacted for the regulation of coal mines had not been complied with, instituted legal proceedings. Mr. Perkins remarked that he had not received the summonses until late the previous evening, and had, consequently, not been able to form his defence; he, therefore, applied for an adjournment. Mr. Tripp, on behalf of the Crown, did not object, and the case was adjourned until Sept. 7.

Punishment for Breaches of the Manaches district Mr. J. Weiter and the second of the decrease district Mr. J. Weiter and the second of the decrease district Mr. J. Weiter and the second of the decrease district Mr. J. Weiter and the second of the decrease district Mr. J. Weiter and the second of the decrease district Mr. J. Weiter and the second of the decrease district Mr. J. Weiter a

the case was adjourned until Sept. 7.

PUNISHMENT FOR BREACHES OF THE MINES REGULATION AND INSPECTION ACT.—At Burnley, in the Manchester district, Mr. J. Watson, managing partner of the Small Hazells Colliery, Habergham Eaves, was on Monday last fined by the magistrates 51. and costs for neglecting to fence the fly-wheel of one of the engines, and for neglecting to have special rules established. A short time previously the engineman got caught by the crank, which is near to the fly-wheel, and also exposed, by which he was so injured as to cause his death in the Manchester Infirmary.—The local paper of Burnley reports that the fireman of the Rowley Colliery there has by consent paid a fine of 11. to the sick fund for his neglect to make an examination of a place in the colliery, which occasioned the burning of two persons, father and son, by an explosion of fire-damp.

The Pennywell Colliery Accident—the Rope.—After the evi-

an examination of a place in the colliery, which occasioned the burning of two persons, father and son, by an explosion of fire-damp.

The Pennywell Colliery Accident—the Rope.—After the evidence, the Coroner, in summing up, said when the jury and himself visited the pit they were struck with the thought that the rope was rusty, and that in consequence it rendered it extremely liable to injury, but it had been explained to them that it was the custom to keep the rope well supplied with oil and tar, and that the constant friction of the rope round the drums and pulleys was amply sufficient to protect if from suffering material injury. Then there was the supposition that the injury to the rope had been occasioned by its passing over too small a drum; but upon examination it was found that injury had been done to one very small portion of the rope. It, however, was already shown by Mr. Brough that, owing to the smallness of the drums, every half-lnot of the rope, or every small portion of it, presented an angle, and as they passed over the drums those angles came in contract with them, and, from a fine fibrons substance, the rope was converted into a state of crystallisation. It was proved that the rope was the third in use within a recent period, and also that previous to the present accident no rope had broken there before. This showed that all connected with the pit were in a measure justified for the confidence which they had in the strength of the rope. The learned Coroner then adverted to, and explained the law of manislaughter to the jury, and said he need not tell them that had it been for a single moment proved that the proprietors of the mine had used a rope unfit for the duty, in order to save expense, he would have had no hestation in saying that a felony had been committed in using of it. The present rope, however, had been supplied by Messrs. Newall, and, to all appearance, it was quite capable of performing the duties allotted to it, and there had been no grounds of supposing otherwise. The jury ret

medium certify afficient, this unmountly intelligent body of next, will call
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mined, there can be no question; but that a very great deal depends on the manner in which oil is supplied to bearings, or journals, requiring lubrication there can likewise be no question. We ourselves have seen bot bearings cooled by the incessant application of small quantities of resin oil, generally supposed to be peculiarly subject to the quality called gumming, and certainly not considered a good lubricator. But from what we have seen at Messrs. Haig and Co.'s distillery, Hammersmith, and which everyone interested in this matter may also see, little more remains to perfect the present obstacles to lubrication mentioned at the outset of this paper.

REPORT FROM NORTHUMBERLAND AND DURHAM.

REPORT FROM NORTHUMBERLAND AND DURHAM.

Aug. 29.—The Coal Trade continues much as last reported, certainly not very brisk, but we do not hear many complaints as to want of employment; the trade, indeed, appears to be sufficiently good to keep the works going at a moderate rate. There is nothing of very striking interest to report. The alarm we noticed lately as having occurred among the miners of the Hartley Colliery on account of the proximity of their workings to a large body of water contained in old workings is now entirely removed, the water having been tapped by means of bore-holes, and is now being run off; this will not only remove all cause of danger, but materially improve the position of the colliery in the future, as it will give access to a large field of coal in the vicinity. An explosion occurred at the Ellenborough Colliery, Maryport, on Monday, by which one man was killed. A staple has been sunk lately from the ten-quarter coal seam down to a lower coal seam. The coah having been reached on Friday last, according to the accounts we have received, the strictest orders had been given by the viewer that no open light was to be taken near the place, as fears were entertained that gas might be given off from this coal seam. But the pit being off work on Monday, a man in charge of the pumps had gone down the pit, and approached the place with an open light, and thus caused the explosion, which resulted in his own death.—A sad accident has also occurred at the Crosby Colliery, near Maryport, by which three men and sighteen horses were suffocated, and over 200 men thrown idle. By the carelessness of Wm. Bagg, who was trimming a lamp, and happened to burn his fingers, some ignited anapthra was scattered on a wooden stage, and the fire instantly so extended that in the course of a very short time the whole place with a new properties of the pumps had gone down the pend to burn his fingers, some ignited anapthra was scattered on a wooden stage, and the fire instantly so extended that in the course of a ve

put in working order as soon as possible, but the said disaster will throw it entirely out of work for some two or three months.

Mr. W. T. Barker, late manager of the Hive Iron-works, at East Jarrow, has been entertained at supper, and presented with a valuable gold watch and appendages, on the cocasion of his leaving that establishment.

The Iron Trade continues extremely sluggish: no improvement whatever can be reported in this branch of trade. The continued dull state of this trade has induced the principal makers of manufactured iron in the district to propose a reduction in the wages of puddlers of 10 per cent. This, however, has not been submitted to, and the result is a strike; this refers to all the principal works on the Tyne at Middlesborough, and also at Consett. At the latter works much uneasiness is felt respecting the present prospect, as much uncertainty prevails as to whether the works will be continued beyond six months. Should these great works unfortunately be stopped, the result will be disastrous to a large number of workmen, and also to numbers of tradesmen in the vicinity. The great body of workmen would, indeed, no doubt be partially employed by other firms, but the result in the altered value of the property built would be very serious. This result, however, will we hope be avoided by some means. Great complaints are heard as to the state of the alkali trade on the Tyne. It is extremely depressed, and as a large number of hands are employed in the trade, much distress is felt in consequence.

That the working miners of this district are still gradually improving in general intelligence and knowledge, and that their moral character is by those means elevated, cannot for one moment be doubted by anyone intimately acquainted with them. The more general establishment of colliers schools has, no doubt, contributed very much to this result, as there the young receive at least some elementary education. That this has, in a great majority of cases, hitherto been deficient, both in quantity and

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Aug. 29.—The continued fine weather is exercising a very beneficial influence upon trade. The feeling at the weekly exchanges in Wolverhampton and Birmingham is decidedly more cheerful, and there is no doubt that there are more orders for Finished Iron, and that all parties are in better spirits with regard to the future. The American civil war is the one great blot on a fair prospect; but even on this question the conviction is growing that those who—as we have consistently done—have contended that the conquest of one important section of the States by the other is impossible, are right; and this is being so clearly demonstrated that ere long a party will arise in the Northern States who will insist upon any attempts being made to close the strife by a compromise. Pig Iron is selling more freely, and prices are firmer, without, however, any prospects of an advance for the present. In the Hardware Trades there is a steady improvement. All accounts concur in stating that the shopkeepers have allowed their stocks to become extremely low, and they are now beginning to order. The advance in the price of tin, advised to-day, is an evidence of a change for the better in the prospects of trade, although pro-

have allowed their stocks to become extremely low, and they are now beginning to order. The advance in the price of tin, advised to-day, is an evidence of a change for the better in the prospects of trade, although probable the lower rates of discount have something to do with it. In the japan trade, and also in the lock trade, there are decidedly more orders; and generally there are indications that the tide is turning.

In North Staffordshire some of the colliers are out on strike, the contest having in one case extended over many weeks. The ironmasters in the district gave notice of a general reduction of wages there on Saturday last. Those interested in the progress of iron making in Wiltshire will be glad to learn that the Seend Iron Company have at length obtained subscriptions for the requisite amount of capital for carrying on their operations. Much importance is attached to the influence of Mr. Gooch and Sir R. W. Carden as members of the board of directors, and it is confidently hoped that the operations of the company will henceforth be free from all impediment. The contract for the new works is not yet closed, but it is understood that the blast-engine is likely to be supplied by a Bilston builder. The interest attaching to the progress of the Seend Works is more extensive than would at first sight appear, for the amount of success schieved by the Seend Company will do much to enable capitalists to judge of the profit of smelting ore raised far away from the fuel with which it is smelted. The Seend deposit is, it is true, only an isolated bunch, but if it can be profitably smelted it will afford hopes to the owners of the numerous and

extensive deposits of Kent and Sussex that southern counties iron will again

extensive deposits of Kent and Sussex that southern counties iron will again become known in the market.

Amongst the papers read at the meeting of the Institute of Mechanical Engineers, held at Birmingham in the early part of this year, was one by Mr. John Ramsbottom, locomotive superintendent of the northern division of the London and North-Western Railway, "On Supplying Water to Locomotive Engines whilst Running." The paper, and the discussion upon it, has been published, and as the invention explained is actually at work on the Chester and Holyhead line, near Conway, it possesses considerable interest. The invention consists of a cast-iron trough, which, in the portion available for the supply is \(\frac{1}{2} \) mile long, 18 in. wide, and 6 in. deep, and is fixed between the rails. When full the surface of the water is 2 in. above the level of the top, so as to avoid the necessity of having ends to it, which would present an obstruction in case of a loose chain or other thing hanging down from the train, and dragging along the bottom of the trough. The railway, at the portion along which the trough extends, is lower than at its extremities, gradually sloping to this lower level at either end. A pipe, the upper part of which is connected with the boiler, terminates in a scoop, which meets the water at an angle, by which the mouth gathers up the water as the train advances. The mouth of the scoop is 10 in. wide and 2 in. high, and it is, when depressed to take up water, exactly level with the surface of the rails, and, consequently, descends 2 in. below the surface of the water in the trough. The roperent and process of the rails, and, consequently, descends 2 in. below the surface of the water in the trough. To prevent any possible accidents the secop is raised by a balance when not in use, and has to be depressed to take up water, exactly level with the surface of the rails, and, consequently, descends 2 in. helow the surface of the water in the trough. To prevent the possible accidents to the speed, but

REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASHIRE.

Aug. 29.—The continuance of an easy money market, and the certain prospect of a bountiful harvest, have created a more hopeful feeling in commercial circles as to the future prospect of trade generally, and the Iron Trade in particular. The manufacturing trades are very dull, and business transactions are generally inactive. There is only a moderate decommercial circles as to the future prospect of trade generally, and the Iron Trade in particular. The manufacturing trades are very dull, and business transactions are generally inactive. There is only a moderate demand for plates and rails, and with regard to all other descriptions of manufactured fron the enquiry is exceedingly dull. The Steel Trade is a shade more active at Sheffield, and there has been more orders given out for railway springs than has been the case for the past two months. Messrs. Davy Brothers, engineers of Sheffield, have just completed an extensive order for steam-engines and augar-working machinery, for the firm of Edward Guignard and Co., of Santiago de Cuba, and the work is about to be shipped from Huil. The order consisted of three steam-engines of 25-horse power each; three sugar-mills, weighing about 35 tons; six smaller engines of various powers, with bollers, &c., complete; the whole work weighing more than 300 tons. The contrat was completed in twelve weeks after it had been signed, and in appreciation of the exertions used the workmen of Messrs. Davy were publicly entertained on Saturday. The Coal Trade continues to be tolerably active, considering the season of the year, and the depression existing in the manufacturing districts. There has been a reduction in the rates for the softer description of coal, but the hard, used for locomotive purposes, is in great demand, at full rates. The continued depression of the Iron Trade has resulted, as might have been expected, in the reduction of the works made in the rate of wages. This reduction has been resisted both in the North and in Yorkshire, and at several works the men have turned out on strike, and at present been made in the rate of wages. This reduction has been resisted both in the price paid for the raw material and the rates obtained for the manufactured articles are, at the present price of labour, unremuerative.

The unfortunate pit at Clay Cross, which was recently the scene of an

The unfortunate pit at Clay Cross, which was recently the scene of so fearful an inundation, has been put to work again, and a good supply of coals is being raised from it. The subscription in aid of the widows and orphans is progressing very satisfactorily, although no personal canvass has yet been made. This says much in favour of the universal esterm in which the Clay Cross Company are held, and of the general sympathy which is manifested in favour of the widows and children. It is confidently anticipated that between 20001, and 30001 will be raised by voluntary effort.

On Wednesday an inquest was held at Exhibition and the second statement of the widows and sources are second sources.

widows and children. It is confidently anticipated that between 20001, and 30001, will be raised by voluntary effort.

On Wednesday an inquest was held at Eckington, on the body of James Newton, a collier, 33 years of age, who died from the burns received from an explosion of gas in the Black Shale Pit, Renishaw, beinging to Meszrs. Appleby, on August 16. Mr. Hedley, the Government Inspector, was present; and it appeared from the evidence that there had been an accumulation of explosive gas between the separation-doors, and that on Newton passing that point with a naked candle it took fire. No gas had ever been seen in that part of the mine previously, and its presence could not be satisfactorily accounted for. The jury returned a verdict of "Accidental Death." Mr. Hedley remarked that the working of the mine would not be safe-without an air-shaft.

REPORT FROM MONMOUTH AND SOUTH WALES.

Newport, Cardiff, and Swansea, Aug. 29.—Trade is visibly im-roving at Newport. Last Friday no less than seven large vessels arrived proving at Newport. Last Friday no less than seven large vessels arrived and entered the dock, including one full-rigged American clipper, intended for the Mediterranean trade. Freights continue about the same, coasting freights having rather an upward tendency. The scarcity of vessels is something remarkable, and several large firms have in consequence decided upon purchasing ships to be employed in their own trade. There is but little new to report from the mining districts. The reduction is being gradually carriedout in both coal and iron works throughout Glamorganshire and Monmouthshire with but little opposition on the part of the men. It was rumoured that considerable dissatisfaction existed amongst the colliers employed by the Machen Company, but this turns out to be incorrect; and I have been assured that the best feeling prevails between Mr. Brown and his workmen. Things remain about the same at Abercarn. Numbers of the men refuse to resume work at the old price, and the proprietors, on the other hand, to resume work at the old price, and the proprietors, on the other hand will not accede to the proposition to rise the price by 6d. per ton. It is to be hoped that the dispute will soon end, as the neighbourhood has already commenced to feel the effects of the turn-out.

commenced to feel the effects of the turn-out.

At Llanelly, everything appears to be in a prosperous condition. The docks have for some time been full of vessels, and on Thursday morning the wind set in favourably, and about 80 left the thriving port, bound for different parts of the world. For the last three or four years the shipping trade of the channel was chiefly concentrated at Newport and Cardiff, but now matters have taken a different turn, and Swanses and Lianelly are making decided advances. While the more eastern ports are complaining of depression and scarcity of work, Swanses and Lianelly seem to be gradually proceeding on their prosperous course. The new docks at Eriton Ferry, which have just been completed at a cost of 160,000f, were opened last week. There was a procession, together with other rejoicings, on the occasion, and the first shipment of coal was on board an American vessel, the Marry Stemon, her cargo being intended for the Great Eastern. Last week a turn-out took place at Ystalyfers, in consequence of the announcement on the part of the masters of an intended reduction of 10 per cent. About 150 puddlers struck, and consequently a largo number of labourers were thrown out of work. The masters, however, agreed on Monday to continue the old price, and the men at once resumed work.

The Custom's returns for the past six months 1220 vessels, of 99,193 tons register, have been engaged in the traffic of the port. The exports amounted to 116,848 ones of coal and culm, and 6043 tons of iron. The imports have been 35,674 tons of iron ore, and 24,966 tons of coaper ore.

Three or four accidents have been reported during the last few days. On Friday a young man, named Francis Brown, was severely injured by a fall from the roof at the Golynos level. He lost one of his eyes, and his leg was fearfully shuttered. There are but faint hopes of his recovery.—On Monday a forge carpenter, named Griffith Evans, had his hand crushed by the steam-hammer at the Pontymolle Works; amputation of two of his fin

died of his injuries. The jury returned a verdict of "Accidental Death."

The Captain Superintendent of Her Majesty's Dockyard, Pembroke, is now inviting tenders for the supply of upwards of 2000 tons of coals, deliverable between Nov. 30 of the present year and March 31, 1862. As might be presumed, from the situation of the yeard, Welsh coals only are mentioned in the conditions of the contract, so that the Welsh coalmasters cannot in this particular instance lay claim to any preference beyond that which the position of their collieries gives them; but as it is now, very generally acknowledged that at all places to which the cost of transport is the same from Welsh collieries as from the North Country collieries, the Welsh coal is the mong desirable to employ, it will be interesting to the readers of the Missing Journal to know the class of coal which the Government select as well suited to their requirements. As a smithery coal, that from the Gwacvm vein, is chosen, and as ateam coals an optional list is given, comprising—Merthyr, Nixon's Merthyr, Carr's Merthyr, Septowen Merthyr, Blate Merthyr, Daren Mennymen Merthyr, and Thomas's Merthyr, Carr's Merthyr and Galley, Merthyr Dare, Blaengwar, Graigola, Parson's Abbey Graigola, Birchgrove Graigola, Ryndorway, Nixon's and Powell's Daffryn, Llangennech, Resolven, Cameron's Coalbrook. Ethwy Vale, Morfs,

Machin Rock Vein, Machin Black Vein, Nevill's Lianelly, Aberdare, Fothergill's Aberdare, Brwitfa Aberdare, Geilla, Cadoxton, Tredegar, Price's Tillery, Risca Rock Vein, Risca Black Vein, Rassell's New Black Vein, Abercara Black Vein, Elid Vein, Louraven, and Forch Amman. The excellent quality of all these coals is now well known, and there is scarcely a coal in the list which would not confirm the assertion often made in the Mining Journal, upon the authority of official reports, that "4 tons of Weish coal are equal to 5 tons of North Country coal."

[BY TELEGRAPH.]

A meeting of the directors of the Llanharry Hematite Iron Ore Company was held this day (Friday, Aug. 30), at which General Sir Frederick Smith, Bart., M.P., presided. There is every reason to believe that these valuable mines will soon be in active and full work, as well as the colliery at Ynysddu, on the properties of Mr. Nash Edwards Vaughan and the Rev. Thomas Gronow. I am further informed, on reliable authority, that a great number of shares have been subscribed for by the directors themselves and their friends. They are also now receiving applications for the unallotted shares.

THE COAL TRADE OF THE UNITED KINGDOM-No. II. DURHAM AND NORTHUMBERLAND.

CUMBERLAND.

Total sold or used for Durham and Northumberland 18,244,708 10

Increase in production in 1860 129,162

YORKSHIRE. The number of collieries, Mr. Charles Morton's inspection district:-| The number of collieries, Mr. Charles Morton's inspection districted | Collieries | Mr. Charles Morton's inspection districted | Collieries | Coll 493,000

DERBYSHIRE, NOTTINGHAMSHIRE, LEICESTERSHIRE, WARWICKSHIRE. The number of collieries, Mr. John Hedley's inspection district:hn Hedley's inspection district:—

| Burton-on-Trent 9-153
| Norther 9-154
| Norther 9-154
| Leicesterehire 114
| Warwickshire 17

STAFFORDSHIRE AND WORCESTERSHIRE. The number of collieries in North Staffordshire, Mr. Thomas Wynne's

inspection district:— The number of collieries in South Staffordshire, Mr. James P. Baker's

spection district:—

LANCASHIRE.

The number of collieries in the North and East or Manchester division

CHESHIRE.

Number of collieries, the inspection district of Mr. Thomas Wynne, 35. SHROPSHIRE. Number of collieries, the inspection district of Mr. Thomas Wynne, 68.

The produce of these collieries was 850,500 tons.

GLOUCESTERSHIRE, SOMERSETSHIRE, AND DEVONSHIRE. In the inspection district of Mr. Lionel Brough, of Clifton:-

The produce of these collieries was 5,503,400 tons. SOUTH WALES

In the number of collieries, the inspection district of Mr. Lionel Brough led a thin edge of Glamorganshire, and a small portion of Clifton, is inclu

the Rhymney Valley.
In the inspection district of Mr. Thomas Evans, of Swansea. The produce of these collieries was 6,254,813 tons.

Number of collieries in the inspection district of Mr. Peter Higson:-ce of these collieries was 1,750,500 tons.

NORTH WALES.

SCOTLAND. The number of collieries in the inspection district of Mr. William Alexader, of Glasgow, is 199. Total produce of coals, 5,750,500 tons.

The number of collieries in the inspection district of Mr. Robert Wilsams, of Edinburgh, is 228. Total produce of coals, 5,150,000 tons.

Total produce for Scotland, 10,900,500 tons.

IRELAND. Total number of collieries, 46. Total produce, 119,425 tons.

Capt. John Edwards, of Great Tywarnhaile Mine, is appointed to take

MINERAL WONDERS OF LAKE SUPERIOR.

MINERAL WONDERS OF LAKE SUPERIOR.

The mineral region of Lake Superior, by which is usually meant the great northern peninsula of the State of Michigan, is in many respects a very remarkable section of country. For latent wealth, deep hidden in the earth, it deservedly takes rank with the coal regions of Pennsylvania, or with the antiferous deposits of California. The products of copper and from are its distinguishing characteristics, as these are found in exhaustices quantities. Their existences are superior of the sound of the sou

TRUTH'S ECHOES; OR SAYINGS AND DOINGS IN MINING.

cently was a wildemess.—Lake Superior Misser.

TRUTH'S ECHOES; OR SAYINGS AND DOINGS IN MINING.

The Mining Share Market has very much improved during the week, and, from the advance in the standard for copper and tin, there is every prospect of a great change. This is no other than anticipated, and adversed to some weeks since; and, from the highly favourable tone of the mining market at present, a progressive, if not a rapid, advances may be fully expected.

The actilement of to-day (Friday) passed off satisfactorily, and, although it was rather than the complaints have been but few.

Enquiries the complaints have been but few.

Enquiries the complaints have been but few.

Enquiries and Willeak Stron, and business done.—East Basser and Strake Ford.

Enquiries and the complaints have been in great of recipy offered allows at instances of the complaints of the complaints of the complaints and a fair business doing, at former rates.—East Grantylle shares have been sought for at a fair business doing, at former rates.—East Grantylle shares have been sought for at market prices.—East Carabox shares have been in good request at the late sulvance, and a movement was made on Wednesday to depress the shares, with a view to deliver on the second-day, but the measure was not accomplished to any extent, as a reaction can be second-day, but the measure was not accomplished to any extent, as a reaction can be second-day, but the measure was not accomplished to any extent, as a reaction can be succeeded and a continue firm at present quotation—Markey Valley should be subjected to the subject of th

about 12 tons of stuff, which from assays made will produce 65 lbs. of black tin from 1 ton of stuff. They are desuring the lode, and from appearances presented it is likely to become more productive as the lode is opened. They have a good lode for copper in the 20 west, which is the only improvement to notice.

At Pennale Moor special general meeting, held at Leeds, on Tuesday, for the consideration of some important questions involving the stability of the mine, the following resolution was adopted:—"That the committee be requested to carry out the course recommended by the captains, and to prove with all speed the value of the eastern part of the mine, by bringing home the 30 fm. fathom to the east shaft under the run of the meeting arcse from a disunion among the administrative, and it is to be boped that the private feelings of the few will no longer operate disadvantageously to the interest of the shareholders generally. It is stated that the mine was inspected on the 22d institute of the shareholders generally. It is stated that the mine was inspected on the 22d institute of the shareholders generally. It is stated that the mine was inspected on the 22d institute of the shareholders, who are not shareholders, who were ignorant of the private or capricious motives of the deep levels, especially the 30. When the notice convening the meeting was received by distant shareholders, who were ignorant of the private or capricious motives of the management, considerable excitement prevailed, having always understood from the variet reports that the mine was one of great promise (of which I believe there is little or no doubt). It is to be hoped that the next general meeting, to be held in September, will remove all that is likely to retard the successful working of the mine.

Great desideratum, shows itself more prominently in sinking, and the improvement in blende ores affords considerable encouragement, as large quantities can be raised at a fair renumeration.— Unitry is reported as looking more encouraging, wi

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ALTEN AND QUENANGEN	MINES	Estimated produce f	or July :-
Mines.	Ore.	Per cent.	Copper.
Quænangen	.Tons 75	8	6.000
Raipas	20	5	
Old Mine		41/4	6.750
United Mines	8	6	0.400
Michell's	2	5	0.100
Quenvig	2	5	. 0.100

THE MINING JOURNAL.

THE MINING JOURNAL

**THE MIN

ASSESS AND QUESTIONS MILES.—Beliefunded produces for Allysmone from the control of the control o

A sampling of 10 tons of West Merilyn ore realised, at the Holywell ticketing on Aug. 8, a higher price than any of the other ore sold, with the exception of a small parcel of 3 tons. The lease, plant, and machinery have been purchased for 6001, half of which is to be paid in shares of the company. J. Lester (Aug. 29) reports, the lode in the 32 continues of the same character, and yield as last reported. The winze is making good progress. We are actively engaged at surface with the alterations in the dreading floors, &c., as detailed in my long report for the general meeting.

LOCHWINNOCH CONSOLS continue to send off considerable quantities of copper ores, the quality gradually improving as the mines deepen, and the dressers become more acquainted with the nature of the peculiar ores: the greater part hithred sold was from the backs of the lodes close to surface, and was very gossany. The shipments now making will show a marked improvement, being a hard grey ore, very similar to Redruthite.

Calder Gleen United Mines — "It is an evil wind that blows nobody.

CALDER GLEN UNITED MINES.—" It is an evil wind that blows nobody CALDER GLEN UNITED MINES.—"It is an evil wind that blows nobody good." The tremendous floods in the neighbourhood of these mines swelled the rivers to an extent not before known for upwards of thirty years, causing land-slips and other damage to the banks and braes. In one of the latter a lods, for which a shaft was being sunk, has been denuded the entire height of the cliff, upwards of 60 ft. Copper ore has been broken in it, of yellow and groy varieties, and the lode ascertained to be a most promising discovery. A level has been driving, and is rapidly approaching, which will cut this lode at a depth of 12 to 15 fms. from surface, and at a few fathous from a junction of this lode with another lode, in which copper ore has been cut near the surface by means of a shallow experimental adit.

WEST KAIM MINE will soon be sending its first parcel of ore to Swansea for sale; it would be premature to speculate on the price it will realise as a first parcel, and the standard in such a variable state, though the assays show the ore to be of superior quality to the generality of ores obtained from a depth of no more than 7 or 8 fathoms from grass.

means or a shallow experimental adilt.

WEST KAIM MISE will soon be sending its first parcel of ore to Swansea for sale; it would be premature to speculate on the price it will realize as a first parcel and the standard in such a variable state, though the assays show the ore to be of superiors of the state of the s

WATERPROOF GLUE.—An influential company, with a capital of 20,000l., in 5l. shares, has just been established for manufacturing an improved description of marine glue, invented by Mr. W. J. Hay, of Portamouth Dockyard, and patented by permission of the Admiraity. The composition is infinitely cheaper than marine glue, and, consequently, cannot fall to be largely adopted by the shipping interest generally. In addition to the purposes to which ordinary marine glue is applicable, the waterproof glue, from its extremely low price, may be used for caulking and paying the seams and decks of all classes of vessels, and will, consequently, become a substitute for the costly marine glue and the inexpensive pitch. Indeed, the purposes for which the glue may be used are aimost innumerable; it will be found the cheapest and most durable application for iron, wood, and all other descriptions of roofing and fencing, a good substitute for bottling wax and metallic caspates, and a desirable covering for posts, piles, &c. Profits of at least 20 per cent. per annum are considered certain, although the low price of the article will be its greatest recommendation. The glue has been tested by seven years trial, and found to answer the most sanguine expectations. For the information of those who have not proved the superiority of the waterproof glue by actual use, it may be stated that its principal ingredient is Trinidad pitch, or asphalte, which is mixed with vegetable tar and oil naphtha, 2 lbs. Instead of the oil naphtha 2/g lbs. of rough crosoote, or 4 lbs. of oil of turpentine may be used. In cases where it is required to pack the composition, and send it out for use, and where it may be expected to require remelting and long exposure to heat in the melting pots while being used, he adds an additional ½ lb. of oil naphtha, rough crosoote, or oil of turpentine. For paying seams in ships sides or other upright or nearly upright structures with mops or brushes a more full kind of composition is necessary, which may be obtained by

Added, and the composition is ready for use.

A New Gun.—Messrs. Deane and Son, of London-bridge, have patented a gun combining the noveity of a breech and muzzle-loader in the same piece, which appears to us to be not only a very ingenious, but also a most important and excellent invention, and one that can scarcely fail of being highly appreciated in the sporting world, as it offers advantages in the field possessed, we believe, by no other weapon of its kind. Its appearance is that of an ordinary muzzle-loading fowling-piece, the nipples occupying their usual position in the patent breeches, and is discharged, whether loaded at the breech or muzzle, by that universal savourite—the percussion cap. To load at the breech it is only necessary to move a small lever placed in the locality of the trigger-guard, which unboits the barrels and allows them to be pressed down for the reception of the cartridge, which is easily inserted. The cartridge is of the simplest construction, being a paper tube filled with powder and shot, having a muslin end to end

MINERAL LUBRICATING GREASE.-Mr. F. W. Perrott, Walworth, has MINERAL LUBRICATING GREASE.—Mr. F. W. Perrott, Walworth, has patented an invention which consists in the use of micaceous iron ore, in combination by preference with oleaginous and fatty matters. Micaceous ore is a species of hematite, found in various parts of the kingdom. The proportions he uses are for one sort—ore 7 tons, oil and tailow combined, 1 ton. The tailow is first boiled, and then the ore, which must have been carefully washed to free it from grit, is stirred in and mixed with the tailow, to which the oil is added. Another sort is composed of ore, 6 tons; tailow, 45 ton; oil, 55 ton. The first is strong, the second medium, and the third of a thinner and fafer quality.

Les strong, the second medium, and the third of a thinner and fairs quality.

COATING METALS.—According to the invention of Mr. B. Piffard, of Kentish-town, the surface to which it is desired to impart a metallic coating is washed with a solution of nitrate of silver, in such a manner that a film of the solution adheres to the whole of the surface, which is then thoroughly dried, and afterwards exposed to the action of sulphirested hydrogen gas. The result of this process is that a surface of metallic silver will be produced, which can then be treated by any of the known methods of obtaining electro deposition of metalls. If the surface will not retain a complete film of the nitrate solution, it should be previously washed wish a this solution of gun, or other suitable substance, and then dried before applying the solution of the nitrate,

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THE WEST MERLLYN MINING COMPANY (LIMITED), FLINTSHIRE, NORTH WALES. Capital £3000. In shares of £5 each.

SECRETARY-Mr. E. J. Davies, Holywell.

e capital is divided into 600 shares of £5 each. £2 10s. per share, to be paid to the ers previous to the application for the shares, and the residue as required, not exnep-10s. per share per month.

e company have been established for getting, raising, and vending, by themselves, their sub-lessees, or agents, the lead ors under 124 acres of land, in the parish of ford, in the county of Film, by virtue of a lease granted by the Marquis of West-ter, for a term of twenty-one years from the 15th November, 1860, at the royalty s. per ton.

ter, for a term of twenty-one , one . see from Holywell, and are called the West Mer. e mines are distant about three miles from Holywell, and are called the West Mer.

of 20s. per 10h.

The mines are distant about three miles from Holywell, and are called the West Merllyn Mines.

Attached to the mines are an office and sto.e-room recently erected, and a smith and
carpenters' shop, and there are on the premises, tools and implements for prosecuting
the works. The lease, buildings, and plant, have been purchased for £600, £300 of
which only will have to be paid, as the vendors have agreed to take the other £300 in
paid-up shares, so that, with that exception, the whole subscribed capital will be employed in forming the company and developing the mines.

The sort is supposed to contain the Orsedd, the Tymaen, and the Lloc, the Merilyn,
and the two Holloway lodes, some of which have been partially worked, and proved very
successful; and there is every reason to believe that large quantities of lead may be obtained at a very moderate outlay by economical and skilful management.

From the Holloway and parallel lodes, at a depth of twenty-five yards from the surface, about 10 tons of lead were sold on the ticketing-day at Holywell, on the 8th of
August, 1861, at £12 19a. 6d. per ton. At this sale, 376 tons of lead were disposed,
and that from the West Merilyn Mine fetched a higher price than any of the rest, except a small lot of 3 tons.

Each shareholder can in no event become liable beyond the amount of his shares.

Application for shares may be made in the form annexed, addressed to the secretary,
Mr. E. J. Davies, Flintshire Observer office, Holywell.

THE WEST MERLLYN MINING COMPANY (LIMITED).

THE WEST MERLLYN MINING COMPANY (LIMITED).

GENTLEMEN,—I request you will allot to me shares of £5 each, of the West Merlyn Mining Company (Limited), on the terms of the annexed prospectus, and I hereby
agree to accopt the same, or any less unmber that you may allot to me, and to pay the
talls thereon. I have paid your bankers £ deposit thereon, for which I send you
their reseals that foot.

To the West Merilyn Mining Company (Limited).

NATIONAL PROVINCIAL BANK OF ENGLAND (HOLYWELL BRANCH). , the sum of £ , on account of the West Merliyn Minin Received or , the sum of 2 , on account of the Carlot of t

THE CENTRAL SNAILBEACH MINING COMPANY (LIMITED).

Capital £10.000, in 10,000 shares of £1 each.

Deposit, 2s. 6d. per share, payable at Mesers. Rocks and Co.'s, Bankers, Shrewsbury, upon application, which will be returned if no allotment be made to the applicant. For detailed prospectus, see Mining Journal of July 27, p. 490; and of the 3d inst., p. 502, for a copy of the report upon the sett, by Mesers. Phillips and Darlington.

The following communication has since been received from John Evans. for unwards

The following communication has since been received from John Evans, for upwards of 40 years employed in the Snailbeach Mine, and now one of its resident captains; also from Mr. David Davies, for more than 20 years connected with the same mine, and now its resident practical and civil engineer:—

Iron str. Lavia Lavies, for more than 20 years connected with the same mine, and now its resident practical and civil engineer:—

Snailbeach Mine, Minsterley, Aug. 20, 1861.—Dran Sir: Since the publication of the report dated 13th uit., of Messrs. Phillips and Darilinaton, upon the Central Snailbeach mining sett, we have, at your request, carefully considered whether, from our practical knowledge of the workings of the Snailbeach Mine, especially its western drivings, we an point out the actual strike of the Snailbeach main lode. We are now convinced that the strong veln, delineated in the south-eastern boundary of the plan of the Central Snailbeach sett, is none other than the champion, or main lode of this mine. In Crow's Nest level, where it appears, we find it to be similar in all respects to the western drivings of this mines, and its underlie there, as in this, to the depth of 150 yards will be towards the north, with subsequently a slight change from north to south; in fact, in this mine the lode becomes nearly vertical, so much so that our opinion is a shaft may be sunk 500 yards, and yet the lode will be within the Central Snailbeach sett.

To S. Harley Kough, Esq.

Prospectuses, copies of the reports, and plans of the sett, with further information, may be obtained from Mr. Jos, Mr. David Davies, or Mr. Richard Wandman, all of Snailbeach, Shropshire; Messrs. Phillurs and Daillington, 26, Gresham-street, London; or from the undersigned, to whom all applications for shares are to be made. Early applications are requested.

August, 1861.

Shrewsbury and Church Stretton solicitor to the promotest

re; Alesses. Futliffs and Darkington, 25, Gresnam-street, La igned, to whom all applications for shares are to be made. Ea ested.

SAMUEL HARLEY KOUGH,
Shrewsbury and Church Stretton, solicitor to the pro

Dodds, Iron and steel batent ricensing

DODDS' IRON AND STEEL PATENT LICENSING COMPANY (LIMITED).

This company is PREPARED to GRANT LICENSES on moderate terms for the USE of their PATENT for STEELING RAILS, POINTS, CROSSINGS, MACHINERY, and EVERY DESCRIPTION of IRONWORK.

The process, which is exceedingly reasonable in cost, and gives the most extraordinary durability to the material, has been highly approved of by the following gentlemen, firms, and companies, several of whom have extensively adopted the valuable improvement:—

ROBERT STEPHENSON, Esq.

J. PERRING, Esq.

THOS. E. HARRISON, Esq.

THE GREAT INDIAN PENINSULA RAILWAY COMPANY.

THE MORTH-EASTERN RAILWAY COMPANY.

MESSIR. STEPHENSON AND CO.

THE EAST LANCASHIRE RAILWAY COMPANY.

THE GREAT NORTHERN RAILWAY COMPANY.

THE METROPOLITAN RAILWAY COMPANY.

THE METROPOLITAN RAILWAY COMPANY.

THE METROPOLITAN RAILWAY COMPANY have ordered a large quantity of rails by this process.

The FOLLOWING FIRMS are PREPARED to EXECUTE ORDERS

company's patent:

Massus. S. BEALE AND CO., PARK GATE, ROTHERHAM.

Massus. DODDS AND SON, ROTHERHAM.

Massus. LOVID, WILSON, AND BELL, NEWCASTLE-ON-TYNE.

THE EBBW VALE COMPANY, SOUTH WALES.

Massus. LEVICK AND SIMPSON, NEWPORT, MONMOUTHSHIRE.

Massus. LLOVD, FOSTERS, AND CO., WEDNESBURY.

THE ISCA FOUNDRY COMPANY, NEWPORT, MONMOUTHSHIRE.

Applications for Licenses can be made to R. Cooke, Esq., at the company's offi
No. 7, Sise-lane, London, E.C., where also testimonials and other information may obtained.

THE LONDON AND PROVINCIAL AGRICULTURAL COMPANY (LIMITED).

(REGISTERED).

CHIEF OFFICES AND DEPOT, 40, MARK LANE, LONDON.
ALBERT WORKS, STRANGEWAYS, MANCHESTER.

This company, having obtained the established business of the late Mesers. Thomas Retigan and Co. on most benificent terms, will be PREPARED to SUPPLY, on and after the lat of Sontempte:—

these celebrated and reliable productions will be manufactured on an extende this company, at the above reduced and legitimate prices; and the public are tity invited to participate in the lucrative return that must inevitably be re the locreasing operations of a business which is already established, highly a, and partially patented.

able, and partially patented.

Shares, £1 each; 10s. payable on allotment; for which immediate application is requested, as the list will cease shortly.

Full particulars, prospectuses, and share application forms may be had from the company's agents in each district; the bankers, the London and County Bank, Threaducediestreet, London; the auditors, Messrs. Cooper, BROTHERS, and Co., 13, George-street, Mansion House, London; the brokers, F. Eversett, Eaq., 17 and 18, Royal Exchange, London; and W. POUNTNEY, Esq., Royal Exchange, Manchester; and from the secretars, at the offices.

ary, at the offices.

a Applications for agencies in unrepresented districts will be entertained. AND MEDICAL LIFE ASSURANCE

ALBERT AND MEDICAL LIFE ASSURANCE,
7, WATERLOO PLACE, PALL MALL, LONDON, S. W.
Established 1838.
The business of the Medical, Invalid, and General Life Assurance Society having been amalgamated with the Albert Life Assurance Company, the united business will henceforth be carried on under the above title.

Accumulated fund exceeds

447,180
Paid-up capital

447,180
Paid-up capital

447,180
Paid-up capital

437,000
Annual income from life premiums, upwards of.

220,000
The new business is now progressing at the rate of more than £25,000 per annum.
From Prof. De Morgan's report upon the last valuation of liabilities (end of 1858), and the statements of accounts, it appeared at that time that the surplus in favour of the Albert business alone, after providing for every liability, was £192,952 5s. 11d.

HENRY WILLIAM SMITH, Actuary C. DOUGLAS SINGER, Sec.

AKE SUPERIOR, U.S.-Mr. G. W. HAMBLIN, Post Master, AKE SUPERIOR, U.S.—Mr. G. W. HAMBLIN, Post Master, Negaunce Post-office, Marquette County, Lake Superior, U.S., has opened an office a slove, for the purpose of supplying mineralogical specimens generally, but more particularly such as are peculiar to the district, to museums and collectors throughout the world. From his acquaintance with the different localities on the Lake, and with mining captains, he has facilities for collecting minerals, also for procuring the rarer sorts. Residing in the centre of the iron district, Mr. Hamblin can furnish specimens of ores of great beauty as cabinet specimens, of which the mammillary and stalactitic forms of hematite are worthy a place in any cabinet. He can also supply specimens of native copper and silver, with the accompanying minerals, many of which occur as crystals, forming rare objects of interest to the collector. Collections made up of all sizes and states of completeness, from the value of \$25 (or £5 sterling) to \$200. Letters of enquiry or conveying orders must be post paid,—P.S.—On receipt of £6 sterling Mr. Hamblin will forward a set of iron specimens; also, native copper and silver. Crystals as follows will be supplied at from \$2 to \$4 each:—Quartz, cale spar (Deg Tooth and other varieties), epidote, greenstone, prehnite (with copper), black oxide copper, analcime, chlorastrolite (found only at Isle Royale), native copper (crystallised), cale spar (with radiated epidote), ripple marked quarts (from the metamorphic estrate), and large variety of others illustrative of the geology and mineralogy of this part of the world. On account of convenience of resultance, the smallest collection which can be forwarded will be \$30 (or \$6 sterling).

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the ST. AUBYN MINERAL COMPANY (LIMITED), and in the MATTER of the JOINT-STOCK COMPANIES ACTS, 1856-57.—By direction of his Honour the Vice-Warden of the said Stannaries, notice is hereby given, that the Registrar of the said Court will, at his office, situate at Truro, in the county of Cornwall, on Friday, the 6th day of September next, at Eleven o'clock in the forenoon precisely, PROCEED to SETTLE the LIST of CONTRIBUTORIES of this company, and that siter such list shall have been settled no party affected thereby will be allowed to dispute the same without leave of the said Court first had and obtained. WILLIAM MICHELI, Registrage. WILLIAM MICHELL, Registrar

Dated Registrar's Office, Truro, this 23d day of August, 1861.

TO CONTRACTORS, COLLIERY PROPRIETORS, AND OTHERS.

IMPORTANT SALE OF CONTRACTORS' PLANT AND MATERIALS, LATELY
USED by Mesers, Trodwell in MaKING the NEW DOCKS, SWANSEA.

USED by Mesers. Tredwell in MAKING the NEW DOCKS, SWANSEA.

M. R. JOHN M. LEEDER has been instructed by Mesers. Tredwell to OFFER. By PUBLIC AUCTION, on Tuesday, the 3d day of September, 1861, on the West Bank of the South Docks, at eleven o'clock in the forencon, the following VALUABLE ARTICLES:—Mortar mill, with pans, rollers, and shafting; two ditto; two wrought fron drums for winding, one wrought fron water tank, four wrought fron skeps, patent brick making machine, in good working order (by Clayton); eight carth wagons, wagon wheels and axies, piling engines, monkeys, road wagon, or 6 in. wheels (quite new); timber carriage on 6 in. wheels, two pair of timber wheels, patent weighing machine with weights complete, tweive one and two-horses carts, on 4 in. and 6 in. wheels, pair of 18 in. pumps, with shafting, gearing, and 40 ft. of piping; one 12 in. pumps, with pair of 18 in. pumps, one chain pump, force pump for engine, cylinder, gravel screens, pulley blocks, smiths' tools, anvils, bellows, engine fittings, boits, chains, nalis, and spikes, winding gear, with shaft, spur, and planto wheels; sinking tackle, with jack rollers, skeps, &c.; eleven sets of cart harness, scrap iron, and a large lot of shovels, corn sacks, carpenters' bunch, screws; and many other valuable articles too numerous to mention. Office furniture, comprising one large chest of drawers, bookcase, copying press, two tables, two drawing boards, fender and fire-irons, blinds, &c., &c.

For further particulars, apply to J. M. Leeder, auctioneer, land, house, and estate agent, 232, High-street, Swansea.

RUABON, DENBIGHSHIRE. SALE OF VALUABLE LANDS, COAL FIELD, AND SHARE OF TITHE RENT CHARGE.

SALE OF VALUABLE LANDS, COAL FIELD, AND SHARE OF TITHE RENT CHARGE.

MR. JOHNSON WILL SELL, BY AUCTION, at the Wynnstay Arms Hotel, Ruadon, on Friday, the 6th September next, at Five o'clock in the afternoon (unless proviously disposed of by private treaty, of which due notice will be given), subject to conditions to be produced at the time of sale, and in the following or such other lots as shall then and there be determined upon:—

Lot 1.—All that MESSUAGE or TEREMENT, FARM, LANDS, and PREMISES, called TY-MAWR, situate in the township of Coed Christionydd, in the parish of Ruadon, in the county of Denbigh, containing by admeasurement 41 A. 0 B. 12 r., or thereabouts, together with the VALUABLE SEAMS of COAL and MINERALS thereunder, now in the occupation of John Dicken, Esq.

Lot 2.—All those THREE SUBSTANTIAL MESSUAGES, or COTTAGES and CARDENS, situate near to the said farm, at Cefn Bychan, in the aforesaid township, in the several occupations of Robert Wright, William Jones, and Mary Edwards. These cottages let well, and now realize, at a very low rental, £11 lbs. per annum.

Lot 3.—All that ONE UNDIVIDED MOIETY, or equal HALF PART or SHARE of John Morris, Esq., of and in a certain RENT CHARGE, in lieu of tithes issuing out on and chargeable on lands in the township of Coed Christionydd aforesaid, amounting in the aggregate to the annual sum of £2, payable to the said John Morris and Mr. Nathaniel Jones. This lot will be offered separately or jointly with Ty-Mawr (Lot 1), as may be agreed upon at the time of sale.

The above tenement and lands contain the best seams of the Ruadon coal field, which require only an outlay of some capital to render the working thereof very profitable, she had not and the country and may of some capital to render the working thereof very profitable, she had not an entire the particulars to be obtained from Join Morris, Esq., Spencer Villa, Leeds; at the offices of Mr. We were selected.

the sale,
Further particulars to be obtained from John Morris, Esq., Spencer Villa, Leeds; at
the offices of Mr. Wyart, solicitor, Wrexham, where a map of the estate may be
spected; or from the auctioneer.

SHARES IN THE NORTH WHEAL BASSET COPPER AND TIN MINE, CORNWALL.

MARSH has received instructions to include in his NEXT M. MANSH Has received instructions to include in his MALI MONTHLY PERIODICAL SALE of REVERSIONS, POLICIES, &c., appointed to take place at the Mart, on Thursday, Soptember 5, at One o'clock punctually, in Four Lots, without reserve, ONE HUNDRED SHARES (£1 14s. per share called and paid) in the NORTH WHEAL BASSET COPPER AND TIN MINE, CORNWALL. Particulars may be obtained at the Mart; of Messrs. KINGSFORD and DOMAM, solicitors, No. 23, Essex-street, Strand; Messrs. SMITH and TUCKER, solicitors, Croom's bill, Greenwich; Messrs. Bors and TWEEDIE, solicitors, 6, Ely-place, Holborn; and Mr. MARSH's offices, 2, Charlotte-row, Mansion House.

RE LAURENCE AND MORTIMORE'S BANKRUPTCY.
STAINES, WOKINGHAM, AND WOKING JUNCTION RAILWAY

M. ARSH WILL SELIL, BY AUCTION, by order of the assignees and mortgagees, at the Mart, on Thursday next, September 5, at One o'clock punctually, in Thirty Lots, ONE HUNDRED £20 PREFERENCE SHARES (tilly paid up), and FIVE HUNDRED ORIGINAL £20 SHARES (tilly paid up), in the STAINES, WOKINGHAM, and WOKING JUNCTION RAILWAY. Particulars and conditions of sale may be obtained at the Mart; of Messrs. MURHAY, SON, and HUTCHINS, solicitors, 11, Birchin-lane, Cornhill; of Messrs. Pearce, Phillips, Winkwornt, and Pearce, solicitors, 66, Gresham House, Old Broad-street; and £1 Mr. Marsh's offices, Charlotte-row, Mansion House.

SALE OF VALUABLE FREEHOLD ESTATE.

IRONWORKS and STOCK IN TRADE, &c., at BECK HOLE, nea
and about eight miles from WHITBY, in YORKSHIRE

IRONWORKS and STOCK IN TRADE, &c., at BECK HOLE, near GROSMONT, and about eight miles from WHITBY, in YORKSHIRE.

MESSRS, HEPPER AND SON WILL SELL, BY AUCTION, on Wednesday, the 18th day of September, 1861, at Two o'clock in the afternoon, at the house of Mr. Glddey, the White Horse Hotel, in Bear-lane, in Leeds, subject to such conditions as shall be produced at the time and place of sale, All that FREEHOLD ESTATE, consisting of about TWENTY-SIX AND A HALF ACRES Of LAND, and THIRTY THEEE NEW and SUBSTANTIAL STONE BUILT COTTAGES, several other cottages and dwelling-houses, with the OUTBUILDINGS and APPURTENANCES.

Also, all those EXTENSIVE IRONWORKS, for the manufacture of iron, consisting of BLAST FURNACES, iron holsts, worked by pumps; hot air ovens, TWO STEAM ENGINES, BOILERS, ENGINE and BOILER HOUSES, weigh house, blacksmiths, carpenters, and other workshops, offices and premises, together with the commonable and other rights incident to the estate, and all other the real estate, the property of the Whitby Iron Company (Limited). The purchasers of the estate will be required also to purchase of the vendors, at a valuation to be determined in the manner set forth in the conditions of sale, the following, viz.:—

All the STOCK IN TRADE and EFFECTS of the WHITBY IRON COMPANY (LIMITED), in and about the above-mentioned premises, consisting of about THIRTY EIGHT TONS of P[G-IRON, upwards of EIGHT THOUSAND TONS of CALCINED IRONSTONE, a quantity of wood, timber, bricks, water-wheel, coals, slack, coke, hematite ore, iron slag wagons, iron barrows, wrought-iron, wood bridges, sleepers, bridge ralls, sand castings, drain tabes, utensils, implements, stock of hay, cats, cattle, and other farming produce, office furniture and utensils, and all other effects and property whatsoever in and upon the premises of which the Whitby Iron Company (Limited) are owners.

are owners.

Further particulars of the estates and premises, and of the effects, will be given by catalogue, distinguishing those to be sold by auction and those to be purchased by valuation, and may be had, price sixpence, on application to the auctioneers, in Trinity-street, in Leeds aforeasid, on and after Monday, the 9th day of September, 1861.

The premises are situate at or near to Beck Hole and Grosmont, about eight miles from Whitby, in the North Riding of the county of York, are contiguous to the North-Eastern Railway, and the station there, with sidings to communicate, are well supplied with water, abound with quarries of stone, beds of iron ore, and are in immediate contiguity to other large and valuable beds of iron ore, and the whole are advantageously located for carrying on an extensive manufacture of iron.

For further information, apply to Barr, Nelson, and Barr, solicitors, Leeds.

MESSRS. FISHER AND SON WILL SELL, BY AUCTION MESSIS. FISHER AND SON WILL SELL, BY AUCTION, at the house of Mrs. Cork, the Swan Hotel, in Bolton-le-Moors, in the county of Lancaster, on Wednesday, the 25th day of September, 1861, at Six o'clock in the evening, subject to such conditions as shall be then produced, the EXTENSIVE, VALUABLE, and WELL ESTABLISHED ENGINEERING, IRON FOUNDING, and MILL-WRIGHT WORKS, known as the UNION FOUNDRY, in BOLTON-LE-MOORS, in the country of LNCASTER.

the county of LANCASTER.

The land occupied by these works is freshold of inheritance, and contains nearly 4 statute acres, situate in the centre of the town of Bolton, is bounded on the east, south, and part of the north sides by wide and excellent streets, and the London and North-Western Railway extends along and adjoins to the whole of the west side thereof, and communicates with lines of railway of similar gauge laid down through the works.

The BUILDINGS are in good condition, and the works are laid out and adapted throughout to the present requirements of trade.

Sozgand of the WORLSHOPS have been recently entirely whall to ad the catchild.

roughout to the present requirements of trade. Several of the WORKSHOPS have been recently entirely rebuilt, and the establish-int and working plant have been greatly improved and remodelled during the last

few years.

The BUILDINGS comprise large erecting, boring, planing, turning, fitting, and other shops: loam, green sand and brass foundries, boller shops, forge, smithles, pattern rooms, &c.
The COUNTING-HOUSES and DRAWING OFFICES are large, commodious, well built, of recent erection, and replete with all necessary fixtures, and office furniture and

built, of recent erection, and replete with all necessary fixtures, and office furniture and apparatus.

The MANAGER'S HOUSE (adjoining part of the north side of the works) contains a spacious hall, two parlours, two kitchens, five bedrooms, and other conveniences; there are two houses for workmen, and another house for the watch-keeper.

The OUTHOUSING comprises a coach-house, saddle-house, stabling for 12 horses, and all other requisite out-buildings and appurtenances.

The WORKING PIANT consists of FOUR STEAM ENGINES and BOILERS for driving same, with turning lathes, planing, boring, slotting, screwing, drilling, grooving, and wheel-cutting machines, cranes, cupolas, moulding boxes, boiler-making machines, and tools, fans, smiths' hearths, weighing machines, turries, gas, steam, and water pipes, railways, and all other requisite machinery, tools, implements, and utensits required in a large engineering and millwright establishment.

The PATTEENS include above 1100 of spur. mitre, and bevel wheels, a large assortment of stationary, portable, and marine engines, water-wheels, hydraulic presses, dredging machines, gas apparatus, cranes, bridges, sugar mills, sugar pans, saw mills, pulleys, and general millwork, bleachers, printers, coillery, and other work connected with the requirements of the manufacturing businesses of the district.

The WORKS are adapted for the employment of from 600 to 800 men, and have been in existence above 60 years.

in existence above 60 years.

The property may be viewed on application to John Howard, Esq., on the present further particulars may be obtained from him, and on application to Messra. I row and Armystrad, solicitors, Bolton, at whose offices a plan of the premises be seen.

In Chancery.

TO BE SOLD, BY AUCTION, pursuant to an Order of the High Court of Chancery, made in a Cause of FORMAN v. HARVEY, with the approbation of the Vice-Chancellor Sir John Stuart, a LEASEHOLD MINE, called WHEAL ANNA, producing TiN and COFFER ORE, with YALUABLE FLANT attached, situate in St. Hillary, in the county of Coruwali, in One Lot, by Mr. John Litzis, the person appointed by the said Judge, at the Auction Mart, Bartholomew-lane, London, on Wednesday, the 11th day of September, 1861, at Twelve of the clock at noon. Particulars and conditions of sale may be had graits of Messrs. OLIVERSON, LAVIR, and PRACHER, Solicitors, 8, Frederick's-place, Old Jawry, London; Messrs. Dangernica and Franker, solicitors, 26, Craven-street, Charing-cross, London; Messrs. Dangernica and Franker, solicitors, 75, South Sea House, Threadmedele-street, London; John Taylon, Esq., solicitor, 7, Gray's Inn-square, Holborn, London; at the Auction Mart; at the Hotels, Marraion, Cornwall; and of the auctioneer, at his offices, in Redruth, Cornwall.

ALFRED HALL, Chief Cierk.

OLIVERSON, LAVIE, AND PEACHEY, Plaintiff's Solicitors.

TO BE SOLD, BY AUCTION, on Tuesday, the 10th Sept. next, by Two o'clock in the afternoon, on the mine, in the parish of Crowan, Cornwall, in Two o'clock in the afternoon, on the mine, in the parish of Crowan, Cornwail One Lot, NEW WHEAL HENDER MINE and MATERIALS, consisting of one 50 cylinder ENGINE, with BOILER about 11 tons; capstan, shears, 2 balance and 1 ar bob; 230 fms. of wood rods, 7 by 6 in., with plates, bolts, &c.: 16 9 ft. 11 in. pan workings and ciack seat pieces to match; 7 9 ft. 4 in. ditto; 3 9 ft. 8 and 9 in. pum 2 horse whims, chain, ropes, and kibbles; 85 fms. of ladders, iron and wood bars; 3. terns, cashings and dividings; smiths' bellows, anvis, smiths and miners' tools, toget with the account-house furniture, and a large quantity of timber, iron, and other us articles.

For a view of the same, apply to the captain on the mine; and for further partic to Capt. William Richards, Bank House, Redruth.—Dated August 28, 1861.

WHEAL MARY GREAT CONSOLS MINE.

WHEAL MARY GREAT CONSOLS MINE.

TO BE SOLD, BY TENDER, in One Lot, all that VALUABL
COPPER MINE, known as the WHEAL MARY GREAT CONSOLS MINE, situate at or near ST. NEOT. LISKEARD, together with the EXTENSIVE PLANT, including the valuable 60 in. cylinder PUMPING ENGINE, WATER WHEELS, MACHINERRY, and all necessary materials required for the further prosecution of the mine. And also all the INTEREST in the LEASES granted to the present company for the purpose of getting ore under the lands of the Rev. James Glencross, called the ANBROSE LAKE SETT; James Michell, Esq., called the LAMPEN SETT; and Messes. Bolitho and Foster, called the HIGHER AND LOWER COOMBE HOUSE SETT.
The large quantity of ore which has been raised during the last 18 months, and the present healthy appearance of the mine, will be no small inducement to parties desirous to meet with a promising speculation.
Tenders will be received by John Brown, land and mineral agent, Rose Hill, Chesterfield, Derbyshire.—August 28, 1861.

DELL BROTHERS beg to intimate that, having become SOLE LICENSEES in the United Kingdom of Prop. DEVILLE'S METHOD of PRODUCING PURE ALUMINIUM, they are now in a POSITION to SUPPLY, from their works here, both this metal and its compound with copper, known under the name of ALUMINIUM BRONZE.—Newcastle-on-Tyne, September, 1860.

RESTINIOG, NORTH WALES.—The LEASE of a SLATE TESTINIOG, NORTH WALES.—The LEASE of a SLATE QUARRY in the above locality is TO BE DISPOSED OF. It includes upwards of SIX HUNDRED ACRES of GROUND, and by three levels of 75, 50, and 30 yards respectively has been PROVED to have FOUR LARGE VEINS of SLATE ROCK of SPLENDID QUALITY and COLOUR. The ground affords unusual facilities for the development of the works, is situate within 1½ mile of the Festiniog and Portmadoc Railway, and is unquestionably a very valuable property. Want of capital is the cause of sale. All applications must be accompanied with a reference to a London bank, or they will not be attended to.—For particulars, apply to WM. DAVIES, Festiniog, via Carnarvon, North Wales.

NEW COLLIERY, NAILSEA, NEAR BRISTOL—
FOR SALE, BY PRIVATE CONTRACT, the WHOLE of the PLANT and
MATERIALS at the above colliery, comprising—
ONE HIGH PRESSURE DIRECT ACTING PUMPING ENGINE, cylinder 45 in.

ONE HIGH PRESSURE DIRECT ACTING PUMPING ENGINE, cylinder 45 in, in diameter, and 10 ft. stroke.

ONE HIGH PRESSURE WINDING ENGINE and gear, cylinder 19 in. diameter.

ONE HIGH PRESSURE WINDING ENGINE, cylinder 16 in. diameter.

ONE HIGH PRESSURE WINDING ENGINE, cylinder 16 in. diameter.

THREE CYLINDRICAL BOILER, 18 ft. by 6 ft.

ONE CYLINDRICAL BOILER, 19 ft. by 3 ft. 6 in.

Hammered iron pumping cranks, T bobs, 19 in., 14½ in., 5½ in., 5 in., and 4½ in.

forcing, iliting, and hand pumps; hammered iron straps, double straps and tail joints,
buckets, clacks, wrought-iron cistern, lifting screws, chains, large capstan, double-power

crab winch, 80 fms. 10½ capstan rope, 8 in. capstan and other ropes, blocks, boring tools,
wrought-iron air pipes, tram plates, smiths' bellows and tools, wagons, carts, &c.

To view, apply at the colliery; and for all further particulars, to Boddam Castle, Esq.,

No. 29, Corn-street, Bristol.

ESLIE'S PATENTS: GAS AND COKE FROM COMMON COAL GREATLY INCREASED IN VALUE.
60, Conduit-street, London, W.

LESLIE'S PATENTS: UP TO FORTY CANDLE GAS.
60, Conduit-street, London, W.

ESLIE'S PATENTS: LICENSES for ENGLAND, SCOTLAND, and IRELAND, the 86 Departments of FRANCE, and BÉLGIUM.
60, Conduit-street, London, W.

LESLIE'S PATENTS: THE NATIONAL WASTE HEAPS AT COLLIERIES UTILISED FOR GAS PURPOSES.

60, Conduit-street, London, W.

PATENT LEVER BREAK, FOR RAILWAY WAGONS, doing away with the objectionable break rack. Can be APPLIED to EXISTING STOCK at a TRIFLING EXPENSE. Royalty moderate. Models can be seen at 34, Great George-street, Westminster; and the breaks in action at the works of the Railway Carriage Company; at the Peterboro' Station, on the Eastern Counties Railway; the Rugby Station, London and North-Western Railway; the Cardiff Docks Station, Taff Vale Railway; and at the Works, Oldbury, near Birmingham, where all communications are requested to be sent. Rugby Station, London a Vale Railway; and at th are requested to be sent.

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From the Daily Post of March 1, 1861.

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An 8 in, rope bore 70 tons WITHOUT BREAKING.

Circumference and breaking strain.

21/4 3 3 3/4 3/5 4
103/4 tons 14 tons 20 tons 27 tons 29 tons 324/4 tons 48/4 tons N.B.—The 24/4, 3, and 4 in, ropes were the sizes actually tested. The remaining sizes and strains are comparative.

THE ABOVE ROPES ARE FOR COLLIERY USE.

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2 216 338 316	5 tons 15 cwts. 11 , 14 ,, 16 , 10 ,,	7 tons 15 cwts.	8 tons 16 cwts.
31/4	22 " 8 " 23 " 10 "	16 10 18 15	18 ,, 5 ,,
414	29 " 10 " 37 " 15 "	18 , 15 ,	26 , 10 ,

N.B.—The 2, 3%, and 4 in. ropes were the actual sizes tested. The remaining sizes of strains are comparative. A. D.—The c. org. and with the topes were the actual size tested. The remaining size and strains are comparative by Mr. M'Donald the Superintendent of the Corporation Testing Works, Liverpool.

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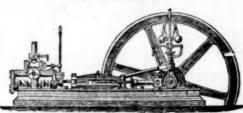
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Prices and full particulars sent on application.

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29.

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JIZ THE MINING COURT	<i>1</i> 111, 10	MILWAI AND	COMMEN	OIIII GIL	22112,	[2200: 01, 1001.
THE MINING SHARE LIST	- Shar		d. Last Pr. Bus. done.	Shares. 5000 N.N 4096 Nort 5000 N.T	ant-v-Mwvn (ld.),[L.10s.] 0	5 0. 6s Jan. 1 4 6. 4s. 6d Dec. 1 0 0 134
DIVIDEND MINES.	st Paid. 100	5 Abbey Consols (ld.) Cardigan. 2 7 0 Allt-y-Crib (lead) [L. £5] 2 8 0 Allt-y-Maen (lead) [L. £1] 0 5 0 Angarrack (copper), Phillack. 1 1 0 Ashburton United (cop., tin) 11 10	6 2 0 12s	Vov. 1860 848 N.T Tune, 1861 6000 N.W Tuly, 1859 1024 Normane, 1859 1122 Normane, 1859 1122 Normane	Yeskerby (cop.), St. Agnes 10 Vh. Basset (cop., tin)[S.E.] 1 th Wheal Busy (cop., &c.) 8 th Wheal Crofty [S.E.]. 9	4 6.45.6d
340 Boscan (tin), 8t. Just 1 20 10 0 . 50 . 33 0 0 . 1 10 0—Ma 300 Botallack (tin, copper), 8t. Just 1 5 0 . 240 . 443 5 0 . 2 10 0—Fel 1000 Carn Brea (copper, lin), lliogant 1 5 0 0 . 68 . 269 10 0 . 2 0 0—Fel 2048 Carnyorth (tin), 8t. Just 3 10 0 . 13 . 019 6 . 0 2 0—Bel 200 Ceft Cwg Brwyno (lead), Cardigansh 33 0 0 . 33 . 9 0 0 . 4 0 0—Ap	b. 1860 1000 b. 1861 400 pt. 1860 200	00 Ashburton United (cop., tin) 11 10 00 Bamfyride (copper), Devon 0 18 00 Bedford Consols (copper) 1 19 00 Berchaven (copper), Ireland 1 10 00 Bickleigh Vale Phœnix [L.] 2 0 00 Billins (lead) [L. 230] 20 00 Borlase Con. (tin) St. Just[L.]. 1 10 00 Bickleigh (lin) St. Just[L.]. 1 10 00 Billins (St. Vicasay) [L. 20] 10 00 Borlase Con. (tin) St. Just[L.]. 1 10 00 Borlase (lin) St. Just[L.]. 1 10	0 0 . 1436	ng. 1860 2000 Nor	th Wheal Prospidnick 0	6 0 % Nov. 1
300 Botallack (tin, copper), St. Just. 18 0 240 443 8 0 2 10 0 - Fet	750 ly, 1860 ly, 1861 ly, 1861 looo alf-yrly. 124	0 Bickleigh Vale Phomix [L.] 2 (0 Billins (lead) [L. £30] 20 (0 Borlase Con. (tin),St.Just[L.] 1 (8 Boscaswell (tin), Penzancs 6 (0 0 2½	Fully paid. 4108 Nor Feb. 1861 5900 Nor Fully paid. 4000 N. V Dec. 1860 4096 Oke	wh. Providence (tin, cop.) wh. Robert, Samp. Spinsy 2 th Wheal Trelawny (lead) 3 th Wheal Trelawny (lead) 3 Wrey (ld.), St. Ive [L.£2]. 0 il Tor (lead), Calstock 5 Tolgus United (cop.) Redr. 41 t-y-Buarth (ld.) [L.£10]. 6 t-y-Pwydu(ld.), Flintahire 10 n-an-drea United (tin) 3	0 6 34 July, 0 0 June, 12 0 136 July, 1 6 236 Sept.
10000 Ditto ditto (stock) .100 0 0. 24 1 per cent. 5 13 0. 0 5 0. July 1 1 1 1 1 1 1 1 1	y, 1861 16	8 Boscaswell (tin), Penzance . 6 & 60 Boscundle (tin,cp.), St. Austell 6 M oB Boscundle (tin,cp.), St. Austell 6 M oB Boscundle (tin,cp.), St. Austell 6 M oB Boswoddan and Wheal Castle 32 (do Boswodthan (tin), Sancreed . 1 (do Bosworthan (tin), Sancreed . 1 (do	5 0 4 5 0 10 0 0 —	Sept. 1860 600 Old Dec. 1860 800 Pan Nov. 1858 200 Pan June, 1860 8465 Ped	Tolgus United (cop.) Redr. 41 t-y-Buarth (ld.) [L. £10]. 6 t-y-Pwydu(ld.),Flintshire 10 n-an-dres United (tin) 3	18 0. 15 . 10 12 . Aug. 0 0. 20
280 Derwent Mines (aillead), Durham300 0 0 180 142 0 0 5 0 0 Jul	ne, 1861 ly, 1861 lg. 1861 ly, 1861 11	O Bosworthan (tin), Sancreed. 1 (d) Bottle Hill (tin), Plympton. 1 (l) Bottle Hill (tin), Plympton. 1 (l) Bronfloyd(ld.), Cardigan [L.] 2 (l) Bron-Haulog(ld.), Denbighsh. 20 (l)	0 0 1	San. 1861 3200 Pen June, 1861 5000 Pen No call. 1000 Pen	t-y-Pwydu(Id.),Fiintaine 10 n-an-drea United (tin). 3 yn Wood (cop.),Lostwithiel 2 craig United (Id.) [L. £1]. 0 den Consols, St. Just 3 genna (Id., sil.),St. Kew. 4	5 0 — May,
230 Derwent Mines (sillead), Durham 300 0 0 180 142 0 0 5 0 0 5 10 0	ly, 1861 400 lg. 1861 120 ly, 1859 50 ay, 1861 200	00 Brookwood	5 0 3½ 1 24 26	Mar. 1861 512 Pen April, 1861 800 Pen Oct. 1859 5000 Pen Aug. 1861 4800 Pen	deen Consols, St. Just	10 0. 634
Flower Consola (Copper), 17 washington 2 0 0.5 0 5.	ne, 1860 595 sc. 1860 638 sty, 1861 244 b. 1861 409	22 Bron-Haulog (id.), Denbighsh. 20	2 0. 1/6 5 0. 1/6 9 0. 24	June, 1861 6000 Pen June, 1861 200 Pen Nov. 1860 4000 Poli Dec. 1860 6000 Poli	tralt (lead), Merioneth 2 htre Lygan (lead) [L. £30] 20 gear Mines, Wendron 0 higey Moor (tin), Wendron 1	0 0. 24. 0 0. 154. 19 0. 4. July, 0 0. 14. Jan.
	ly, 1861 91 ar. 1861 100 ne, 1861 460 b. 1861 91	15 Calvadnack, Wendron 18 (0) Camborne Consols (copper) 16 10 Camborne Vean & Wh. Francis 7 12 (A. Caradon Cons. (cop.) St. Cleer 21 15	5 0 7 0 0 8 2 4 1% 1% 2%	Mar. 1861 1004 Pra June, 1861 6400 Prid July, 1861 512 Poll June, 1861 6000 Pro	higey Moor (tin), Wendron 1 ed Consols (tin), Lelant 3 deaux Wood (tin, cop.) 3 breen (tin), St. Agnes 8 sperUn (tin, co.), St. Hilary 2	0 0 22 May. 12 0 16s May. 0 0 12 Aug.
200 as - st. Trust Clark II Compared 9 15 0 15	ly, 1861 600	4 Caradon Cons. (cop.), St. Cleer 21 12 0 Cardigan Consols [L. £10] . 7 (6 Cargoll (silver-lead), Newlyn 15 10 Carn Camborne	K 7 . 14	Mar. 1861 11789 Red Sept. 1860 6000 Rele May, 1861 2500 Rho June, 1861 3000 Rhy	Imoor (cop., tin), Callington 0 eath (tin, cop.), Crowan 1 swydol and Bacheiddon 12 yscog (silver-lead) [L.£5] 1	8 0 4sMay, 0 0 214Oct.
000 Miners Mining Co, Li, (id.), Wrexham 25 0 0, 180 75 0 9, 4 0 0—Au 000 Miners Mining Co, Li, (id.), Wrexham 25 0 0, 180 7 0 0, 14 14 14 711, 0 7 0—In 000 Mining Co, of Ireland (cop., lead, coal) 7 0 0, 14 14 14 711, 0 7 0—In 10 0—Au 000 New Birch Tor and Vitifur Consols 1 6 6, 2 0 2 6 0 2 6—Au 0 2 6 0 2 6—Birch Consols 1 6 6, 2 0 0 2 6 0 2 6—Au 00 North Owns (copper) Redruth 2 3 4, 44, 44, 5 0 2 6 0 2 6—Au 0 2 6—Au 06 North Grambler, Redruth 2 7 6 6 0 10 0 0 10 0—M	ng. 1861 300 ne, 1861 700 ar. 1861 105 ay, 1861 1000	00 Carn Vivian (tin, cop., lead). 1 10 00 Carrack Dews	9 6. 2½ 6 0. 1 1 7. 3	April, 1861 20000 Rib April, 1861 10000 Riv Dec. 1860 6000 Ros Fully paid. 4096 Ros	den (lead), Alton [L.] 1 rer Tamar Copper [L.] 1 sewall Hill & Ransom Utd. 2 sewarne Consols (copper) 3	0 0 14Fully; 0 0 1Fully; 16 0 1414 14Mar. 2 6 5
10 North Downs (copper) Redruth 2 3 4 4 5 0 2 6 0 2 6 0 1 0	ag. 1861 2000 ar. 1861 2500 ay, 1860 1000 ar. 1861 250	100 Carr Vivian (tin, cop., lead) 1 100 Carrack Dews	0 0 9s 8s. 6d 8 0 12s 0 015s6d	Mar. 1859 5000 Rou Dec. 1860 2000 Seo 10000 Sig Sept. 1860 5000 Silv	and Hill (cop., ld.), Salop 9 prier Con.(tin,cp.), St. Agnes 9 ford Con. (cop.,tin)[L.£1] 0 ver Bank (silld.) [L.£1] 0	5 6 %
100 North Grambier, Redruin 2 7 6 6 6 0 10 0 0 10 0 - 10 0 0 10 0 North Grambier, Redruin 2 7 6 6 6 0 2 0 - 0 0 0 0 10 0 North Grambier, Redruin 2 7 6 6 6 0 0 2 0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	pril, 1861 400 pril, 1861 98 ay, 1861 600 pril, 1861 313	00 Clara United (silld.) [L. £3] 2 84 Ciljah & Wentworth (tin, cp.) 28 100 Clinton and Edgecombe United 1 35 Coed Mawr Pool (lead) [L.]. 4	0 0 134	July, 1861 100 Silv May, 1861 15000 Silv Oct. 1860 6000 Sm June, 1861 512 Sou	ver Rake (lead) [L. £20] 5 v.Vein, St. Winnow [L. £1] 0 lith's Wood (tin,cp.) [L. £2] 1 lith Basset (cop.), Gwennap 19	0 0 20 15 20Jan. 5 0 214
120 Providence (tin), Uny Lelant† [S.E.]. 10 6 7. 35 35 3734 60 15 0 1 0 0—Au 16 Rhosesmor	ly, 1861 1000	00 Craigton (ld.) [L.£1], Kirkeud. 0 1	00 34	No cail. April, 1861 6400 8o. June, 1859 4096 8.0 July, 1861 6000 8o.	th Bryn Gwiog	12 0. 14
196 South Wheal Frances, Illogan* [S.E.]. 18 18 9. 130122/4127/4 355 5 0 1 0 0—Ju 296 Searne Moor (tin. copper), St. Just 31 17 9 45 9 15 0 1 0 0—Ju 297 St. Ives Consols (tin.), St. Ivest 8 0 0 31 484 0 0 0 15 0—Mi 298 Tamar Con. (silid.), Beeralston [S.E.] 4 10 0 134 134 154 5 6 0 0 2 6—Ja	ne, 1861 3000 ne, 1861 1200 ay, 1861 800 n. 1861 200	00 Craven Moor (id.), Yorkshire. 0 1:00 Crelake (cop.), Tavistock 1:00 Crookhaven (cop.) [L. £2½]. 1:00 Crowlwm (lead), Llanidless. 1 1:00 Crowlwm (lead).	0 0 4s 0 0 14	No call. 6188 S.C No call. 2288 Sou Mar. 1861 6000 Sou No call. 65000 S.J	Condurrow (tin, cp.), Camb. 1 1. Crenver (cop.), Crowan. 2 1. Lance (ld.) [L. £3½] 2 Dev. Iron & Gen. Min. [L. £1]	19 0. 11s9s. 11sJune, 13 6. 346 Oct. 7 6. 116
20 Providence (tin), Uny Lelant† [8.E.]. 10 6 7. 35 35 37 3 4 60 15 0. 1 0 0—Au 18 Rhosesmor	ar. 1860 600 pt. 1860 700 ay, 1861 2100	00 Crowndale (cop.), Tavistock. 0 1 00 Cuddra (cop., tin), St. Austell 1 1: 00 Cwm Afon (cp.), Festi. [L.£1] 0 1 00 Dale, North Staffordships [L.]	1 0 3	Nov. 1858 1024 Son May, 1861 6000 S.I Dec. 1860 6000 Son Fully paid. 1000 Son	oth Ding Bong, Gulval (Dolcoath & Carnarthen Con. of the Gernick (tin), Crowan. (ath Gorland	0 0 2 3 May. 12 0 10s. May. 12 0 10s. May. 12 0 10s. May. 13 0 1 2s. May. 14 0 0 1 3s. May. 15 0 0 2 4s. Oct. 16 0 1 4s. Faily 16 0 1 4s. Faily 16 0 1 4s. Mar. 26 5 Mar. 17 1 1 1 1 Mar. 26 5 Mar. 18 0 2 July. 18 0 1 July. 18 0 1 July. 18 0 1 July. 19 0 1 July. 20 2 July. 20 2 July. 30 1 July. 4 July. 5 0 2 July. 5 0 2 July. 6 May. 5 0 2 July. 18 0 1 July. 19 0 1 July. 19 0 1 July. 19 0 1 July. 19 0 1 July. 10 0 2 July. 10 0 3 July. 10 0
000 West Basset (copper), Illogan [S.E.]. 1 10 0. 16 16 18 21 15 0. 0 5 0—Ju West Burton Gill (lead), Yorkshire 50 0 0 14 10 0. 3 0 0—Ju 10 4 West Caradon (cop.), Liskeuri [S.E.]* 5 0 0 0 3714 3914 98 1 3. 1 10 0—Ju	n. 1861 481 dy, 1861 500 ane, 1861 1200 dy, 1861 1200	17 Devon and Courtenay (cop.) 1 00 Devon Great Wheal Ellen 2 00 Dev. New Copper Co. [L. £2] 00 Devon Union (copper) [L. £1] 0 1	9 0 118	Mar. 1861 1024 So. Mar. 1861 6000 Sor 4000 Sor May. 1861 5537 So.	Herodsfoot (ld.), Liskeard lath Lady Bertha (copper) lath Minera [L. £5]4] 2 Phoenix (cop.) Linkin	2 6 2 ½Aug. 1 6 56June, 2 0 4 July, 10 0 14 Jan.
19 Wheal Reseat (conner), Illogan*[S.E.] 5 9 6 90 8914 8714 . 572 10 0 . 9 0 0 At	ay, 1860 456 ay, 1861 100 ug. 1861 200 ug. 1861 500	10 10 10 10 10 10 10 10	1 6. 4. 2 0. 7½. 0 0. 2¾.	Aug. 1861 1024 801 Mar. 1861 4096 8.3 June, 1860 1105 80. 1024 8.3	ath Gernick (tin), (rowan, the Gorland	11 6. 1 1 July, 4 6. 1 July, Jane, 18 10. 4 May, Aug.
	ay, 1861 300 ag. 1861 24 ab. 1861 400 ab. 1861 300	00 Dyfngwm (lead), Wales 12 44 Eaglebrook (lead.), Cardigan 75 1 96 East Alfred Consols (copper) 3 1 00 E. Beam (tin), St. Aus, [L.£2] 0 1	6 6 9½ 0 0 12 2 3 33s29s. 31s 0 0 1½ 1½	Sept. 1858 1000 Sor June, 1861 1024 S. May, 1861 6000 S.X Aug. 1861 400 So.	ath Wh. Kitty (tin), Leiant 1 Wh. Loveil (tin), Wendron 1 Wh. Margaret(tin), Ludgvan Wh. Margaret(tin), Camborne 2 earne Cons. (tin), St. Just.	4 6 2% July,
512 Wheal Jane (silver-lead), Kea 3 10 0. 18 10 10 0. 1 0 0Fe 224 Wheal Kitty (tin), Uny Lelant [S.E.] 1 7 2. 11 80 00 10 0Se 390 Wheal Ludcott (lead), St. Ive. 2 10 83½3 3½3 3½1 8 00 4 0Ju 896 Wh. Margaret (tin), Uny Lel. [S.E.]†9 17 64035 4069 001 0 0Au	eb. 1860 600 ept. 1860 600 ely, 1861 600 ug. 1861 640	00 E. Bertha Con. (cop.), Tavist. 0 1 00 East Budnick and Mount . 0 1 00 East Carn Brea (cop.) Redruth 3 00 East Crinnis and South Par. 2 00 East Devon Gt. Consols (cop.) 0 1	7 0 1½ 0 0 9s 5 0 7 7½ 8 7 6 2	July, 1861 794 Spo Jan. 1861 970 St. June, 1861 5208 St. May, 1861 1024 St.	earne Cons. (tin), St. Just. Aubyn and Grylls (cp.,tin) Austell Consols (tin, &c.) Ives Wheal Allen (tin)	3 16 0 1% Dac.
294 Wb. Mary Ann (id.), Menhentot [8.E.]† 8 0 0 10 9 10 .53 17 6 0 10 0-Jz 80 Wheal Owles, St. Just, Cornwall 7 0 0 300 20 13 0 5 0 0-Az 90 Wicklow (copper) [L.], Wicklow 5 0 0 58½ 58½ 41 17 6 2 12 6-M	une, 1861 400 ug. 1861 600 ur. 1861 400	00 East Fowey (cop.) [L. 50s.]. 1 00 E. Grenville (cop.), Camborne 0 1 00 E. Gunnis Lake &S. Bedf.(cp.) 5	5 0 1½ 6 6 39s39s. 41s 9 6 ¾ ½ ¾	June 1881 990 Str	encoose and Mawia (tin,cp.)	2 10 0 2July, 3 15 0 32261/271/July, 5 12 6 11/June, 0 13 04
[* Dividends paid every two months. † Dividends paid every three months.] MINES WITH DIVIDENDS IN ABEYANCE.	800 400 600	00 East Mona (cop., &c.) [L.£1] 0 06 East Polberro, St. Agnes 0 96 E. Providence (tin), Uny Lel. 2 00 E. Releath (tin, cop.), Wendron 0	5 0 1/4	May, 1861 2000 Tr	effry Consols	1 15 0 Jane,
00 Aberdovey (silver-lead), Merioneth . 1 10 0 30	far. 1859 500 pril, 1859 11: an. 1854 2 pril, 1856 10	00 E. Rosewarne (cp.,tin), Gwin. 2 1 22 East Seton, Camborne 0 56 East Tolgus (copper), Redruth 60 00 E. Trefusis (cop.), Gwennap. 7	2 0 — 0 0 52 8 10. 3¼	May, 1860 5000 Tr. May, 1861 1024 Tr. June, 1861 5000 Tr. June, 1861 8000 Tr.	eloweth (copper), St. Erth. encrom (tin), Uny Lelant. 1 esellyn and Scaddick Cons. etoil (copper, tin) evenen and Tremenheere.	1 5 6 . —
100 Brynford Hall (lead), Flintabire	ept. 1859 11 ept. 1859 60 ept. 1857 40	24 E. Treskerby (cop.), Redruth. 3 1 90 E. Wheal Agar (cop.), St. Cleer 8 90 E. Wh. Ellen (silld.), St. Ive 0 900 E. Wh. Russell. Tayls. (S.E.) 7	7 0 2 1 0 34 4 0 34234 334	July, 1861 1024 Tr July, 1860 4096 Tr Nov. 1859 9048 Tr	revoole, Crowan, Cornwall. 2 reweatha (silld.), Menhen.	1 16 2 7 3 4May, 4 8 6 14June, 3 6 4 2
76 Devon and Cornwall (cc.per)	une, 1857 57 ept. 1859 60 eb. 1859 50 far. 1857 60	700 Exmouth (silid.), Christow. 5 1 200 Fowey and Par Uni., St. Blazey 0 1 200 Fursdon(cp.), Okeham. [L.30s.] 1 200 Furze Hill Wood Cons., Buckl. 0	5 0 214		rumpet Unit. (tin), Wendron rne Head (ld., cop.) [L. £1]. rnewydd(silld.), Cardigan. rringham Consols (tin)	
	ept. 1857 10 an. 1858 10 ag. 1858 40	14 Garden (tin), Morvah 22	8 6 ¼ 12 0 ¼ ½ 2 658.6d	June, 1861 5000 Ur. July, 1861 1250 Vr. June, 1861 1000 W. June, 1861 3000 W.	rringnam Consols (in)	4 9 6 1½
119 Great work (tal), Germos	uly, 1860 01	000 Gernick (copper), Crowan	92 £1] 2 10 0 2 1½ 2 2 6 4s	June, 1861 4000 W July, 1860 1024 W Mar. 1861 100 W Feb. 1861 1218 W	entnor [L. £2½] . Alfred (copper), Phillack. 3 . Bryn Gwiog (ld.) [L. £20] . Condurrow(tin.cop.), Cam. est Denbigh (ld.), Denbigh. 3	1 13 0 175
1000 Hingston Down Con. (cop.), Calis (S.E.) 4 18 0. 2 136 2 2 16 0. 0 2 6—N 200 Kelly Bray (lead, copper), Callington. 4 6 0. 136 2 2 16 0. 0 2 6—N 20 Laxey Mining Company, Isle of Man. 100 0 0.1200 1420 050 0 6 0. 0 2 0—F 1420 050 0 0. 50 0. 1 0 0—S 1420 050 0 0. 50 0. 1 0 0—S 1420 050 0 0. 50 0. 1 0 0—S 1420 050 0 0. 50 0. 1 0 0—S 1420 050 0 0. 1 0 0—S 1420 050 0. 1 0 0—S 1420	eb. 1860 40 une, 1857 40	100 Great Frigan 3 3 3 3 3 3 3 3 3	8 0 34 4 0 11% 1 11%	June, 1861 4620 W	est Denoign (1d.), Denoign. 3 '. Devon Con. (cop.),[L.£1] '. Great Work (tin), Germoe 'est Par Con. (cp.)St. Blazey '.Polmear(tin,cp.),St. Austell	0 8 0 11s Mar.
512 Rosewarne United (cop.,tin), Gwinear 18 6 4. 242014 2114 33 10 0 1 0 0—St Ostrridge Con. (cop.), Whitchurch (S.E. J 0 16 0 12s 10s. 12s 61 00 0 2 6—J1 128 South Crimnis (copper), St. Austell 19 0 0 285 60 0.0. 0 0—J1	ept. 1860 101 uly, 1857 60	100 Citi Monthinor (atti-tuti preside) T	1 011 2101 111001 21011	June, 1860 1600 W	.Foimear(th.cp.),5. Austein . Rose Down (cop.), Caradon fest Sharp Tor(cp.)Rillaton.12 . Snailbeach (lead) [L. £2] fest South Caradon (copper). festStray Park(cop.),Camb.	3 0 0 23 Aug. 9 0 0 35 21 22June, 1 0 0 14 July,
000 Vale of Towy (lead), Carmarthen [S.E.] 0 13 6. 6s 0 5 9. 0 1 0-J	eb. 1858 pril, 1860 60 uly, 1858 37 pril, 1857 60	000 Gr. TreguneCon. [40,000 £½, 7000 £ 000 Great Treveddoe (copper) . 0 000 Great Treveddoe (copper) . 0 010 Great Wheal Baddern (tin). 4 010 Great Wheal Baddern (tin). 4 010 Great Wh. Martha (cop.) [L.] 1 010 Great Wh. Martha (cop.) [L.] 1 010 Guelvn (cop. [h.] 5 010 Great Wh. Martha (cop.) [L.] 1	0 0 3 34 34 0 0 514 134 9	Jan. 1861 July, 1861 5000 W Mar. 1861 Fully paid	'estStray Park(cop.), Camb. 'estTolcarne(cop.), Crowan 'est Tolgus (cop.), Redruth, 1	7 15 0. 4½April 11 16 . %April 18 0 0Aug. 8 8 0 July,
000 Wheal Kitty (tln), St. Agnes 4 16 6 34 0 18 6 0 2 0-J		240 Gunnis Lake (Clitters' Adit). 0 000 Gurlyn (cop., tin), St. Erth 1 634 Gwydyr Park Con., Llanrwst 0 400 Harwood (ld.),Durham[L.£1] 0	15 3 98	.Mar. 1861 June, 1861 June, 1861 July, 1861 July, 1861 4000 W 512 W 10000 W 1024 W	restStray Park(cop.),Camb. rest Tolcarne (cop.), Crowan rest Tolgus (cop.), Redruth. 1 rest Travelyan (tin,copper) rest Wendron (tin), Wendron rest Wheal Frances, Illogan 6 rest Wheal Jane (tin, &c.) rest Wheal Lovell, Wendron. Wh. Marspred(tin), Illoy Leil.	0 13 0 13c
754 Wheal Margery (tin, copper)	day, 1860 72 Dec. 1859 50 Det. 1860 60	919 Hawkmoor(tin,cop.)Calstock 9 1000 Holmbush(id.,cp.)Callington 5 000 Huckworthy Bridge (copper). 0 40 Imperial Silver-Lead, Dolgelly 25	17 0 1	Sept. 1860 6000 W July, 1861 2048 W	7. Wh. Margaret(tin), Uny Lei, Theal Agar (copper), Illogan Th. Agnes (slivld), St. Kew Th. Anna (ld., blende), Perranz,	3 6 0 4 July. - 2 No co
222 Wheal Tremayne (tin, cop.), Gwinear. 13 2 6 5 10 2 6 0 7 6—J. 2 12 6 0 2 6—D. FOREIGN MINES.	ec. 1857 60	000 Keswick (lead), Portinscale . 5 000 Lady Bertha (cop.) [8.E.] . 1	12 6 %15s. 17s	July, 1861 5000 W July, 1861 5000 W June, 1861 5990 W	Theal Anne (tin), St. Austell Theal Annie (cop.), Gwinear Th. Arthur (cop.), Calstock.	1 1 0 1%
2464 Burra Burra (cop.), South Australia. 5 0 0 135	une, 1861 uly, 1861 an. 1861	oli 9 Leeds & St. Aubyn (tin, opp.) 15 963 Lelant Cons. (tin), Uny Lelant 32 900 Llanfair (silver-lead) [L.] 6 900 Llywernog United, Card. [L.] 1 500 Long Rake (lead), Film 10	10 0 2½ 0 0 5 16 0 1½ 0 0 13 14 16	.Mar. 1861 18000 W .Fully paid. 3000 W .July, 1859 6000 W .May, 1861 5120 W	7h. Concord(silld.,cp.)[L.£1 7heal Conquer (tin, copper). 7heal Crebor (cop.),Tavistock 7heal Cupid (cop.), Redruth.	10 5 0
2464 Burra Burra (cop.), South Australia. 5 0 0 . 125 285 0 0 . 5 0 0 . 7 2000 Cobre Copper Co. (cop.), Cuba (S.E.) 40 0 0 . 37 35 37 97 12 0 . 1 0 0 . J 2000 Cobre Copper Co. (cop.), Cuba (S.E.) 16 0 0 . 3 8 6 8 0 . 0 5 0 . 7 2000 East Indian Coal, Calcutta [L.] 10 0 0 10 7½ per cent. 2000 English and Australian [S.E.] 5 0 0 . 3½ 15 0 0 . 2 6 . A 2000 Gen. Mining Assoc., Nova Scotia [S.E.] 20 0 0 . 24 22 24 18 5 0 . 1 0 0 . 2 6 . A 2000 Gen. Mining Assoc., Nova Scotia [S.E.] 1 0 0 . 24 2 2 ½ 8 0 . 2 0 . 3 0 . 2 0 . J 2000 Linares (id.), Pozo Ancho, Spain [S.E.] 3 0 0 . 7½ 8 6 2 . 0 3 4 . J 8 6 2 . 0 3 4 . J 2000 Lustianan (of Portugal) [S.E.] . 2 0 0 . 2 9 0 . 1 6 . A 9 6 . 0 1 6 . J 2816 Mariquita and New Granada [S.E.] . 1 0 0 . 1½ 9 6 . 0 1 6 . J 1 0 . J 2000 Port Phillip (gold), Clunes (S.E.] . 1 0 0 . 1½ 9 6 . 0 1 6 . J 1 0 . J	une, 1861 4	968 Maudlin Mines [2484 £6, 2484 £1 540 Merllyn (lead), Flint	pd.] 216	. July, 1861 4096 W . May, 1860 6000 W	Th. Damsel(cp.,tin), Gwennap: Th. Emma(cp) Buckfastleigh Theal Emma (tin), Breage Th. Grenville (copper)[S.E.]	23 13 6. 15June 2 12 6. 4Jan. 0 10 0. 3Aug. 7 6 0. 1332s. 34sAug.
1000 St. John del Rev II. I Promit for P 1 15 00 neil no neil		000 Merryfield (lead) [L.] 0 400 Michell (lead), Flint 0 024 Mill Pool (tin,cop.) St. Hilary 15 000 Mold (lead), Flints. [L. £1] . 0 411 Molland (cop.), S. Moulton. 2	1 0 96 9 6 1 17 0 % 8 0 28			7 6 0 . 134 132s 34s Aug. 7 6 0 134 132s 34s Aug. 6 0 0 134 1 134 Sept. 0 10 6 1 Feb. 8 2 8 1234 June 0 12 6 134 Aug.
FOREIGN MINES WITH DIVIDENDS IN ARRYANC	E. 1860	000 Nance Valley 0 024 Nangiles (tin, copper), Kea. 3 000 Nanteos and Penrhiw [L. £4] 3 400 Nant-y-lago (id.), Merioneth 3 250 Nanty Mines (id.), Montgom. 20	60 214		Vh. Lopes (tin, zinc) [L. £1]. Vheal Louisa (cop.), Redruth. Vh. Mary Emma(tin) Lydford Vheal Moyle, Gwennap	
0000 Alten and Quænangen Unl. (cop.) [L.£5] 4 10 0 3 4 5 0 0 15 0—2 0000 G.t. Barrier Land, Min., &c., N. Ze. [L.£5] 4 5 0 3½ 15 per cent. — 20000 Pontgiband (sil.) - lend), France [S.E.] 20 0 4 1 0 0 1 0 0—3 174 Unit. Mexican (sil.), Mexico [S.E.] Av. 28 5 0 5½ 5 5½ 1 16 6 0 4 0—1	Nov. 1853 May, 1859 June, 1855 Feb. 1853	400 Nether Heath (lead), Dufton 0 400 N. Crow Hill (ld.), St. Stephen 1 5000 New Treleigh Cons., Redruth 1	19 6 14 8 0 1%1½ 1¾	Fully paid. 5000 W April, 1860 6000 W July, 1861 256 W Fab. 1861 9315 W	Vheal Nelson	0 10 7. 34. June 1 4 0. 2 . June 17 10 0. 230 . July
NON-DIVIDEND FOREIGN MINES.	6	1000 New Wheal Clifford (copper). 6 1144 New Wheal Francis, Crowan. 0 1024 New Wheal Hender, Crowan. 2 400 New Wh. Seton (cop.), Camb. 13 1300 New Wh.Vor & E. Wh. Metal 9	16 6 12	May, 1861 1879 W June, 1861 240 W	Vh. Prosper (cp., tin), Breage Vheal Prospidnick Vh. Reeth (tin), Uny Lelant Vheal Rose (ld.), St. Columb Vh. Sicily(silld.), Broadoak	1 11 0 5¼ Feb June
Mines. M	Sept. 1858 2 Dec. 1860 2 Feb. 1859 6 Jan. 1859	048 N.Wh.Vaddon(cop.),Marazion 0 0000 Nidderdale(ld.),Yorks.[L.£1] 0 90 N.Budnick(tin,ld.), Perranz. 1	19 6 1% 15 0 % 10 0 40	Aug. 1861 4096 V Jan. 1861 2048 V No call. 1024 V	Vheal Sidney (tin), Plympton Vh. Sithney & Carnmeal Uni. Vheal St. Andrew (copper) Vheal Transack Sithney	3 9 1. 134. July 5 0 0. 5 . July 5 10 0. 5 . July 5 10 0. 5 . Juny
0000 Clarendon Consols (copper), Jamaica [S.E.] 0 17 6 3/8 00000 Coptapo Smeiting [L.], Chili 1 10 0 0 81/4 10000 Dun Mountain (copper), New Zealand [L.] [S.E.] 1 0 0 1 1 10000 East Kongaberg Native Silver Mining Co. of Norway [L. £5] 1 0 0 3/4 10000 Elizable and Bardwis Aumentain	Jan. 1861 4 Fully paid. 1 Fully paid. 6 April, 1861 20	1500 No. Budnick and West Mount 0 1024 North Buller (cop.), Redruth. 20 1000 Nor. Clifford (cop.), Gwennap 0 10000 North Devon (silid.) [L. £1] 0	5 0 54 7 0 46	.Aug. 1861 512 V	Wheal Trannack, Sithney Wh. Trefusis (cop.) Gwennap. Wheal Union (cop.), Redruth Wh. Unity (cop., tin), Gwinear Wh. Uny (tin. cop.). Redruth	28 5 0 3Aug.
	July, 1859 0	5000 N. Dolcoath (cop.), Camborne 2 5792 No. Downs and Wh. Rose Uni. 1 5000 North Frances, (cop.) [S.E.]. 13 5000 N. Hallenbeagle (tin, cp.) [L.] 0	4 6 78	Aug. 1861 4096 V April, 1861 1024 V June, 1861 6000 V April, 1861 6400 V	Wheal Vyvyan (copper) Wheal Welcome (tin, copper). Whitford (lead), Holywell Willow Bank (lead) [L. 52]	10 15 0. 13 19. 20s. Aug 8 1 6. 4 34 Jan 10 10 0
10000 New Granda (gold), South America [S.E.] 1000 New Granda (gold), South America (gold),	Fully paid. 2 June, 1860 6 May, 1861 2 Fully paid. 10	5782 No, Downs and Wh. Rose Uni. 1 500 North Frances, (cop.) [S.E.]. 13 900 N. Hallenbeagle (tin, ep.) [L.] 900 North Jane (tin, silver-lead). 3 900 N. Laxey (id.) I. of Man [3600.£3, 24 900 N. Laxey (id.) I. of Man [3600.£3, 24 900 N. Levant (tin, cop.), St. Just. 6 9000 N. Grant (ine.) [L.]. 1	100£1¾] 1¼ 16 6 6 0 0 29s27s. 29s.	June, 1861 1024 V Aug. 1861 4096 V April, 1880 3097 1	Worvas Downs (tin), Lelant. Wrey Consols, Buckfastleigh. Farner (copper), Devon	10 16 6
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50000 St. John's United (copper, lead), Newfoundland [L. £1] 0 10 0 36 45000 Victor Emanuel, Italy [L.] [20,000 Pref. Shares, 5s. pd., 25,000 £1 pd. 115 1200 Western Africa Maiachite (copper) [L.] 110 0 0	May, 1860 Mar. 1860 Oct. 1859	tion which may, from time to tim information. Reports from mane	ne, come under their not	igence of every descript	tion, forwarded to our office,	vill meet ready attention.
35425 Wheal Jamaics (copper)	July, 1861 Fully paid. Fully paid.	orden; Printed by Richard Middle	row, and published by H cations are	EMRY ENGLISH (the properties of the properties o	oprietors), at their office, No.	26, Faker Breakr, where all col
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